AUTHOR INDEX

National, research and public organizations, but not commercial firms, are indexed under relevant country.

All separate name particles, e.g. Di & von, are transposed to follow the initials.

Aamisepp, A. 7, 402, 411, 423, 467, 486, 687, 3729, 3733, 3739, 3741, 3823, 4111
Aarssen, L. W. 1416
Aart, P. J. M. van der 579
Abad, R. G. 138, 139, 700, 3366, 3505
Abbas, M. M. 2636
Abbitt, B. 129
Abbot, R. J. 2517
Abd-El-Naiem 615
Abd-el-Naiem, F. M. 2601
Abdalla, M. H. 1816
Abdel-Kader, M. I. A. 348
Abdelghani, A. 342
Abdelghani, A. A. 2272
Abdelkader, M. H. T. 3031
Abdul Gaffer, M. 2331
Abdulwahab, D. 3652
Abdulwahid, A. M. 3652
Abernathy, J. 1775
Abernathy, J. R. 335, 905, 959, 3103, 4001
Abraham, A. D. 937
Abraham, C. C. 2330, 2979
Abrahamson, W. G. 2592
Abu Tahir 1991
Abubaker, A. S. 133
Abud, J. K. 1624, 1625, 1626, 1627, 3400
Acher, A. J. 660, 3047
Ackermann, H. 2269
Acosta-Núñez, S. 1970, 2603
Adair, F. 3458
Adamović, Z. 1283
Adams, C. A. 1199
Adams, E. B. 1167
Adams, M. S. 2563
Adams, S. A. 3671
Addala, M. S. A. 3063
Adèle, P. 2227
Adeniji, A. A. 3287
Adkins, S. W. 248, 1748, 1749
Adler, I. R. 1931
Adlerz, W. C. 1158, 2939
Adlung, K.-G. 1211
Adrian, F. 211
Aeschlimann, J. 2004
Afifi, A. A. 1227
Afonso, M. L. da R. 2540
Afwany, M. 700, 3366
Afzal, M. 2770
Agapov, V. I. 945
Agarkov, V. D. 449, 3365
Agarwal, R. A. 299, 300
Aggour, M. 2400
Agneessens, J. P. 2285
Agnihotri, V. P. 664, 1566
Agostino, E. D. 3589
Agra-Coelho, C. 2535
Agrawal, P. C. 2326, 2327, 2330
Agrwal, R. P. 1144
Aguilar, J. L. 1608
Aguirre, R. 809, 1109, 1463
Agulhon, R. 123, 3491
Aharonson, N. 4038
Ahlawat, A. S. 538
Ahlawat, I. P. S. 453, 1990
Ahlstrand, G. 3156
Ahmad, A. 1173
Ahmad, M. 1173
Ahmed, N. U. 447, 1023, 1433, 2163
Ahnert, M. 2043
Ahrens, J. F. 110, 504
Aigle, N. 2724
Aiken, S. G. 1466
Ajang, M. R. 343
Akers, M. S. 3852
Akesson, N. B. 319
Akinyemiju, O. A. 1714
Akiyama, K. 4047
Akobundu, I. O. 2017, 2165, 3790
Al-Ali, F. A. 850
Al-Beldawi, A. S. 2190
Al-Daher, I. M. 3015
Al-Hasan, A. M. 2880
Al-Jabery, I. A. R. 314
Al Khersraji, T. O. 1878
Al-Menoufi, O. A. 1150
Al Saadawi, I. S. 3929
Alam, S. 2195
Alandzhiĭski, D. 1540, 1675
Albajes, R. 1847
Alçada, I. 2703
Alchalabi, F. T. 1990
Alchin, B. M. 2414, 2559
Aldrich, D. T. A. 53
Aldrich, J. H. 515
Alea R., E. 2393
Aleev, B. G. 472
Alegre, N. 1123
Aleksandrov, A. 3495
Alekseev, V. A. 1713
Alemania, N. R. 3758
Alessandro de Luca, E. d' 3674
Alexander, M. 301
Ali, A. 898
Ali, E. M. 3290
Ali, H. A. 2772
Ali, M. 1018
Ali, S. M. 2871
Ali, Z. 3968
Aliev, A. M. 3752
Alif, A. F. 517
Alkhoury, I. 240, 1868
Allen, E. B. 3925, 3926
Allen, R. M. 1160
Aller, W. A. 3668
Alley, H. P. 6, 13, 14, 39, 50, 84, 371, 457, 465, 482, 529, 746, 2682, 2759, 3816, 3817
Alliney, . 3828
Allison, H. D. 1952
Alscher-Herman, R. 4008
Althaus, J. R. 2259
Althen, F. W. von 2834
Altieri, M. A. 236, 2939
Altman, J. 1063
Álvarez, G. 3520
Álvarez, J. C. 2668
Aly, H. A. 2636
Amadori, E. 4030
Aman, S. A. 1990
Amaral, A. dos S. 1628
Amaral Franco, J. do 2540
Amarjeet Singh 2326
Amaro, P. 2674
Ambach, R. M. 3700
Ambica, S. R. 1401
Ambrus, A. 281, 282, 283
Amer, S. M. 3290
Americanos, P. G. 492
Amin, M. 2190
Ammon, H. U. 2312
Amor, R. L. 2790
Amrein, J. 1562
Amundsen, C. C. 200
Ananthakrishnan, T. N. 3265
Ancel, J. 3486
Ancibor, E. 2562
Andel, J. van 2176
Andersen, D. R. 2266
Andersen, P. G. 677
Andersen, R. N. 3117, 3118, 3913
Anderson, A. 342
Anderson, A. C. 2272
Anderson, A. W. 2943
Anderson, D. T. 1279
Anderson, E. R. 2845
Anderson, I. P. 2675
Anderson, J. P. E. 3685
Anderson, L. W. J. 785, 2314, 3280
Anderson, R. L. 3453
Anderson, T. 2852
Anderson, T. M. 1977
Anderson, T. W. 381
Anderson, W. P. 3136, 4071
Andhale, R. K. 56, 1993
Andow, D. 1264
Andreeva-Fetvadzhieva, N. 2109, 2446
Andrejeva-Fetvadžijeva, N. 2109
Andres, L. A. 1485, 1830, 2206
Andrilenas, P. A. 381
Anev, V. N. 884
Angell, R. F. 1054
Angelova, S. 1670
Angiras, N. N. 1988, 2358
Anirudha Misra 1988, 1992
Annappa, R. S. 1988, 1990, 1991, 1992, 2329
Anofrichuk, V. 1041
Ansyarullah 700, 3366
Antigua, A. 215
Antigua P., G. 2735
Antonovics, J. 1425, 2548, 3205
Anwar-Ul-Haq 2770
Aoyama, Y. 2993
Apetenok, G. L. 713
Apostolides, Z. 4037
Appleby, A. P. 2655, 3450, 4096
Appleton, M. D. 1902
Apradh, V. H. 56, 1993
Aquino, M. H. 2743
Aranha, C. 2542, 3240
Araújo, E. F. 1885
Aravind, B. V. 1991
Arbuzov, L. D. 150
Arcara, P. G. 3695
Arceo, L. M. 1025, 2375
Archer, A. C. 3595
Archibold, O. W. 1407
Arcuset, P. 2819
Ardjasa, W. S. 700, 3366
Argauer, R. J. 4030
Arif, A. 701
Arifin, M. 3366
Aripov, A. 736
Arlt, K. 194, 359, 3235
Armellina, A. A. Dall' 2421
Armstrong, L. 3509
Arnold, B. L. 3143
Arnold, C. E. 515
Arntzen, C. J. 1202, 1894, 1897, 1905, 3295, 4007
Arras, D. D. 3671
Arrington, G. 770
Arruda, H. B. de 130
Artemenko, E. N. 253
Arthey, V. D. 303
Aruna Prabha, S. 584
Arunachalam, M. 545, 854
Arvieu, J. C. 2279, 2280, 2281, 2282
Asaka, S. 329
Asano, H. 2521, 2522, 2893
Ascheman, R. E. 1274
Ashfaq Ahmad 1173
Ashford, R. 3700
Ashley, R. A. 89, 3927
Ashraf, N. 2326
Ashton, F. M. 247, 1970, 2603, 2604
Ashworth, E. N. 1903
Asian-Pacific Weed Science Society 67
Askar, A. 2636
Askew, M. F. 375
Asmussen, L. E. 1952
Aspe, D. 1522, 4016
Assie, G. 756
Atkin, J. C. 412
Atkins, R. P. 1260
Atkinson, D. 125, 2939
Attaway, H. H. 3335
Attree, G. 686
Attwood, P. J. 404, 572
Aucamp, A. J. 490
Auerbach, M. J. 2193
August, P. V. 1418
Auld, B. A. 853, 2526, 2896, 2925, 3595
Aulgur, F. 1064
Australia, Bureau of Sugar Experiment Stations, Queensland 1701
Australia, Commonwealth Scientific and Industrial Research Organization, Division of Entomology 1172, 1178, 1837, 2578, 2579, 2580, 2581, 2583, 2588, 2589, 2591
Australia, Northern Territory, Department of Primary Production 2543
Australia, Queensland Department of Lands 156, 171, 222, 237, 241, 242, 243, 244
Australia, Tasmanian Department of Agriculture 797
Åvall, H. 759, 4123
Avdeeva, N. F. 602
Avigliano, M. 1647
Åvik, B. 4057
Awad, F. 1107
Ayoade, G. O. 3723
Ayres, P. 527, 543, 3703
Azad, B. S. 1988
Azevedo, D. M. P. De 207
Azevedo, F. P. 2025
Aziz Shiralipour 975, 976
Ba, A. T. 3603
Baba, I. 2982
Babiker, A. G. T. 3401, 3621
Babu, M. S. G. 737
Bachthaler, G. 1448
Baciu, E. 2699
Back, P. V. 1726
Backström, V. 330
Bacusmo, J. L. 1122
Badar-ud-Din 1173
Bădin, I. 29
Baer, R. G. 876, 1170
Baggi, G. 3682
Baghott, K. 1116
Bagley, P. C. 82
Bagley, R. W. 3727
Bagnall, L. O. 3517
Bailey, A. W. 1660
Bailey, J. A. 541
Bailez, C. V. 2399
Bains, D. S. 2160
Bajpai, M. R. 2700
Bakale, V. L. 885, 2229, 2230
Bakalyar, S. R. 4030
Baker, B. E. 661
Baker, B. J. 1661
Baker, D. B. 3316
Baker, E. A. 1880
Baker, F. A. 863, 1812
Baker, G. A. 3203
Baker, H. G. 816
Baker, I. 816
Baker, J. B. 1311, 1312, 3764, 3765, 3766
Baker, L. O. 3890
Baker, R. S. 3142
Bakke, J. E. 317
Bakker, J. P. 1453
Bala, S. 599
Balairos, J. B. 1021
Balasubramanian, N. 1990, 2330
Balba, H. M. 617
Balciunas, J. K. 1174
Baldacci, E. 3718
Baldi, M. 297
Baldos, S. C. 3077
Baldwin, J. H. 421
Baldwin, R. L. 1651, 1684
Balicka, N. 944
Balke, N. 908
Balke, N. E. 1896, 2597, 4000
Ball, R. W. E. 547
Balneaves, J. M. 3507
Baloch, G. M. 3601, 3970
Balogh, I. 3029

Balsbaugh, E. U., Jr. 2943
Balsinhas, A. A. 3554
Balu, S. 1988, 1993
Balyan, R. S. 394, 2330, 2688, 3004
Band, S. R. 2473
Bandeen, J. D. 3643
Bandurski, R. S. 2495
Bandyopadhyay, A. K. 2907
Banerjee, M. K. 1347
Banerjee, N. C. 2044
Banks, P. A. 3119, 3565, 3684
Bansal, G. L. 2908
Bansal, R. P. 1993, 2325
Baraer, J. 2796
Barale, R. 3326
Baranova, M. M. 569, 2030
Barben, E. 650, 1537
Barbour, B. M. 3887
Barboza B., J. 478
Barcikowska, G. 1642
Bardalaye, P. C. 1219
Bargen, J. D. 1968
Bargerhuff, G. R. 1745
Barko, J. W. 1458, 3250
Barnes, T. R. 525
Barni, N. A. 3774
Barquet, A. 318
Barr, W. F. 1845
Barrentine, L. 3789
Barrentine, W. L. 33
Barrett, M. 2604
Barrett, P. R. F. 154, 361, 784
Barrett, S. C. H. 824, 2553, 2870, 3950
Bärring, U. 519, 689, 3512, 3871, 4112, 4120
Barron, J. A. 2035
Barron, R. M. 1712
Barros, P. 3567
Bartha, R. 1236, 3331
Barthalmus, G. T. 1930
Barthélemy, J. P. 2291
Bartlett, B. O. 2648
Bartoška, J. 393, 435
Bascand, L. D. 3238
Baskin, C. C. 1405, 1750, 2141, 3194
Baskin, J. M. 1405, 1750, 2141, 3194
Basler, E. 2986
Bassereau, D. 132
Bassett, I. J. 190
Bassino, J. P. 87
Bassiri, A. 3641
Bastide, J. 1235, 1522, 4016
Basuki 700, 1368, 3366
Bates, J. J. 3782, 3783
Bath, S. J. 1306
Batra, S. W. T. 1163, 1488, 2948, 3608
Batson, W. E., Jr. 3345
Batt, B. D. J. 1551
Batten, S. M. 105, 106, 107, 109
Battikhi, M. N. G. 1252
Baughman, R. G. 1912
Bauman, T. T. 722, 1119
Baumann, P. A. 4073
Baumley, J. 3778
Baumley, J. I. 3919
Baur, J. R. 63
Bayacag, T. C. 2798
Bazilevskaya, N. A. 552
Beach, M. L. 872
Beamer, W. H. 327
Beasley, J. N. 3985
Beaudoin, X. 3135
Beaufreton, C. 3062
Bebawi, F. F. 1305, 1432, 1476
Becker, R. 2248
Becker, R. L. 1387, 1394, 1976
Bedell, T. E. 802
Bedin, P. 1793, 2867, 2884
Bedunah, D. J. 748, 1055
Beer, E. 971, 972
Beer, J. O. de 3017
Beer, M. C. de 2402
Beglov, B.M. 2664
Beglyarov, G. A. 3365
Begon, J. 3302
Behera, J. 936
Behm, J. A. 2718
Behrens, R. 890, 1003, 3336
Behrens, R. L. 704
Beilstein, P. 1923
Beitler, J. S. 1953
Beitz, H. 2269, 4058
Belien, J. M. 732
Bell, A. R. 3653
Bell, P. R. 1806, 1807, 3255
Bell, R. D. L. 1937
Belles, W. S. 2413
Bellinger, E. G. 2883
Belotserkovskiĭ, Yu. B. 792
Belova, V. I. 496
Beltrano, J. 2161, 3573
Beltrão, N. E. De M. 207
Bembenek, M. 951, 1964
Benada, J. 695
Benavides, S. 3504
Bencivenga, M. 3199
Bendixen, L. E. 725
Benezet, H. J. 1947
Bengtson, G. W. 1377
Benkov, B. 60, 485, 1340
Bennett, C. A. 2584
Benoist, M. 3146
Benson, G. L. 3727
Benveniste, I. 2227
Béraud, J. M. 79
Berca, M. 2699, 2715, 2773
Bercea, V. 2113
Berengier, J. 2692
Béres, I. 2159
Berezovskiĭ, M. Ya. 628, 1026
Berg, G. van den 2615
Berger, R. L. 763
Bergmann, J. H. 2119, 3870, 3873, 3874
Bergmannová, E. 2981
Bergner, K.-G. 1530
Bernal Niño, F. 3504
Bernard, H. M. 3406
Bernasor, P. C. 3104
Bernáth, J. 51
Bernes, A. 2630
Bernier, C. C. 1159
Berry, J. 2550
Bertolani, R. 1961, 1962, 3691
Bertoldi, M. de 3326, 3673
Berube, D. E. 239
Beshir, M. O. 2968
Besosa T., R. 3499, 3500
Bessis, R. 1904
Best, E. P. H. 3275
Best, P. H. 544
Beste, C. E. 71, 82, 758
Beuffe, H. 3030
Beuret, E. 86, 597
Beversdorf, W. 74
Beversdorf, W. D. 1513
Bey, C. F. 2460
Bey, J. 2722, 2763
Beyer, M. G. 3656
Bezuglov, V. G. 1590
Bhagwandas 1988, 1992, 2326, 2329
Bhan, V. M. 394, 2326, 2327, 2329, 2688, 3004
Bhandari, D. C. 3583
Bhardwaj, N. 1766
Bhardwaj, S. P. 1989
Bhaskaran, S. 2136
Bhat, K. K. S. 125
Bhatt, A. B. 586
Bhattacharya, K. 1990
Bhoi, P. G. 561
Bhojappa, K. 1991
Bhosale, R. J. 56, 1993
Bhowmik, P. C. 1442, 2537, 2538, 3888, 3948
Bhowmik, S. 3692
Bhushan, L. S. 1989
Bhutani, V. P. 1992
Bieringer, H. 2738
Biernat, J. 1009
Bierzychudek, P. 3591
Biggin, P. 775, 1708
Biljon, J. J. van 828, 3396
Billing, E. 2939
Billot, M. R. le Court de 266, 3549
Bindra, O. S. 3350
Bing, A. 98, 100
Bingham, S. W. 1046
Binning, L. K. 2099, 2316
Biondini, M. 751
Bipin Chandra 1146
Bir, S. S. 2879, 2888, 2915
Biradar, S. C. 2326
Biradjar, J. M. 2330
Bird, M. 3883
Biscoe, P. V. 3430
Bisen, C. R. 2919
Bishop, G. W. 2572
Bishop, H. G. 3189
Bissett, I. A. 375
Biswas, D. K. 2330
Biswas, K. K. 1460
Biswas, P. K. 2873
Biswas, S. B. 2733
Black, I. D. 2390
Black, J. A. 1551
Black, L. 1439, 3547
Black, M. A. 2564
Blackmon, W. J. 3137, 3145
Blackshaw, R. E. 204
Bladel, R. van 2283, 2643
Blaeser, M. 1060
Blain, A. Q. M. 1353
Blair, A. M. 535, 2607, 2648
Blair, L. C. 1516
Blaise, E. A. 1043, 2054
Blancaver, R. C. 3176
Blanco, H. G. 819, 820, 821, 822, 2906
Blasco L., M. 478
Blein, J.-P. 2235, 2994, 3282
Bliev, Yu. K. 667
Bloch, P. L. 2242
Blokhin, V. D. 569, 2030
Blom, J. E. 1731
Bloomberg, J. R. 1291
Blos, I. 2984
Blouw, A. P. 1244
Boatman, N. D. 2412
Bobrova, V. I. 32
Bobylev, N. P. 475
Bock, I. R. 2975
Bockelman, D. L. 3263
Bodmer, J. 1242, 2300
Boehler-Kohler, B. 3649
Boer, W. den 1679
Boerema, G. H. 2218
Boesel, I. 3598
Bogdanova, N. E. 3747
Böger, P. 260, 1192, 1194, 2622, 3649, 4012
Bogorad, L. 3295
Bohec, F. Le 2797
Bohec, J. le 78
Böhme, H. 1192
Boize, L. M. 2338
Bojić, M. 3494
Boka, G. 1931
Bokhari, N. Y. 2089
Boldt, P. E. 1488, 2200, 2203
Boldt, P. F. 2766
Bond, W. 1234, 1663, 3468, 3469, 3470
Bondarenko, G. L. 90
Bondarenko, N. V. 3365
Bonfiq, G. 1450
Bonham, C. D. 257
Boobathi Babu, D. 1992
Book, D. N. 4124
Bookman, P. A. 209, 2153, 3924
Bookman, S. S. 1469
Boonnitee, W. 879
Boonsrirat, C. 3180
Boopathi Babu, D. 1989
Boopathi, S. N. M. R. 1309
Boraiah, G. 2912, 2970
Borbély, G. 894
Boreĭko, V. K. 622
Borges, A. E. L. 2476, 2504
Borhidi, A. 2510
Born, M. 3874
Börner, H. 337, 343
Borona, V. P. 59
Borrelli, J. 2759
Borse, R. H. 2328
Borulkar, D. N. 2328
Bos, L. 868
Bosbach, K. 3899
Bose, S. 3640
Bosio, P. G. 2634, 2635, 2646, 2651
Bosshardt, H. P. 923
Bötger, H. 4114
Bothwell, M. L. 1919
Botswana, Department of Agricultural Research, Division of Arable Crops Research 2728
Böttcher, O. 968
Bouchain, F. 2701
Bouchard, C. J. 1791
Bouchet, C. 3062
Bourdôt, G. W. 812, 3909
Bourne, A. S. 1854
Bourquin, H.-D. 2447
Boutemy, G. 3302
Bovey, R. W. 63, 3681
Bovolenta, A. 297
Bowers, R. C. 3983
Bowers, W. S. 3612
Bowes, G. 231, 1342
Bowes, G. G. 1388, 1659, 3361
Bowker, D. W. 226
Bowman, D. H. 2013, 2014, 2015
Bowman, J. E. 1325
Boyadzhiev, Kh. 2380, 2422, 2424, 2425
Boyall, L. A. 542
Boyce, K. G. 3572
Boyd, C. E. 946, 2321
Boyd, J. W. 3164, 3541, 3559, 3596
Boyette, C. D. 1169
Bozán, J. I. R. 818, 857
Braber, J. M. 2273, 3051
Bradbury, F. 378
Bradbury, I. K. 589
Bradley, E. B. 970
Bradway, D. E. 321, 3314
Brady, R. M. 4059
Brambilla, C. 386
Brammall, R. A. 1422
Brand, W. W. 1914
Branthôme, X. 87, 760
Brar, J. S. 22
Brar, L. S. 2326
Brasesco, J. A. I. 707, 735, 2399
Brashear, H. R. 1229
Brates, N. 660
Brathwaite, R. A. I. 27, 1067
Bratton, G. J. 2255
Brault, A. 2619
Braumann, T. 1534
Brauner, G. L. 2025
Bray, B. 3130
Brazee, R. D. 2660
Brazil, Fundação Instituto Agronômico do Paraná 3367
Breay, T. 3125
Breck, J. E. 164
Brecke, B. 1775
Brecke, B. J. 1045, 1301, 1326, 2370
Brede, A. D. 108
Breece, J. R. 1651
Breidert, D. 1275
Brenan, J. P. M. 550
Brenkert, A. 200
Breuninger, J. M. 3168
Brewer, F. 1240, 2297, 3109
Brewster, B. D. 4096
Breyev, V. A. 4090
Breyl, I. 3324
Breyne, H. 1
Brickell, C. M. 723, 1575
Brickell, C. M. W. 1575
Bridge, L. D. 3798
Bridges, D. 3427
Bridges, D. C. 3419
Briffaux, G. 2693
Briggs, D. 2556
Briggs, G. G. 1959, 3683
Briggs, W. R. 263, 264, 265
Brillová, D. 1269
Brinker, R. J. 2372
Brinkman, V. A. T. 291, 1531
Brinson, M. M. 587, 3181

Briske, D. D. 3192
Brissaud, C. 753, 3083
Bristol, D. W. 3018, 3032
Britt, L. O. 1037
Brkić, B. 1008
Bromilow, R. H. 3342
Brooker, M. P. 1796
Brotherson, J. D. 3942
Brower, W. W., II 201
Brown, A. H. D. 1827
Brown, B. T. 913, 2595, 3992
Brown, D. S. 651
Brown, N. A. C. 3536
Brown, O. R. 1552, 2242
Brown, P. A. 2275
Browning, J. A. 2939
Brüll, H. 1546
Bruneau, C. 2619
Bruner, M. C. 200
Brunnschweiler, C. U. 3435
Bruno de Sousa, R. F. 2536
Brunya, S. P. 936
Bryant, F. C. 4122
Bryant, W. E. 1298, 2746
Bubar, C. J. 826, 3252
Buch, T. G. 225
Buchanan, G. A. 1775, 1776, 2033, 2034, 2869, 3204
Buchholz, C. 3785, 3786
Buchli, J. A. 1787
Buchman, R. 2246
Buck, W. 1211
Buckingham, G. R. 871, 2584, 2959
Buckingham, M. 2959
Buckley, B. R. 791
Budd, E. G. 577, 3581
Budnenko, L. I. 59
Budoi, G. 3488
Bukina, N. V. 774
Bulcke, R. 351, 1986, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2009, 2021, 2022, 2023, 2036, 2037, 2038, 2039, 2040, 2047, 2048, 2049, 2064, 2071, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2105, 2111, 2134, 2324, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3409, 3410, 3411, 3434, 3731, 3792, 3793, 3794, 3795, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3844, 3845, 3846, 3848, 3853, 3854, 3855, 3860, 3891
Bullock, F. D. 30
Bunn, T. M. 2758, 3423
Bunting, A. H. 2939
Bunting, E. S. 432
Burdon, J. J. 1483, 1824, 1827, 3269
Burhan, H. 700
Burkatskaya, E. N. 4045
Burns, D. A. 4030
Burnside, O. C. 712, 721, 799, 955, 1104, 1316, 1320, 2131, 2729, 2748, 3094, 3393, 3421, 3644, 3921, 3935
Burrill, L. C. 679
Burrough, L. 3816
Burrows, V. D. 1585
Burtch, L. M. 1639
Buryĭ, V. S. 59
Bush, J. D. 959
Bush, L. P. 2068
Bushway, A. A. 919
Bushway, R. J. 919
Busig, R. T. 3758
Businelli, M. 4064, 4077
Butcher, T. B. 1125
Butera, D. L. 3277
Butina, N. V. 2457
Butler, J. H. 2685
Buzio, C. A. 2668
Byast, T. H. 2295
Cabello, R. 1770
Cabradilla, N. 2899
Cabras, P. 3010
Cacco, G. 1895, 3043
Cadahia, E. 1463, 4017
Cadron, J. 351
Cagnieul, P. 2723, 2783
Cahoon, G. A. 1692
Cairns, A. L. P. 3369, 3530
Caixinhas, M. L. C. L. 2480, 2481
Caldas, L. S. 1885
Caldas, R. A. 1885
Calderón, J. I. 3435
Calderón P., G. 478
Caldicott, J. J. B. 420
Callauch, R. 838
Callihan, R. 1270
Callihan, R. H. 3797, 4097
Calvet, R. 1943, 1944, 2279, 2280, 2281, 2282
Camargo, P. N. de 2826
Cammell, M. E. 2939
Camp, B. J. 3192
Campanhola, C. 3342
Campbell, D. J. 2350, 2408
Campbell, J. R. 1256, 3707
Campbell, M. H. 691, 1265, 2406, 2416, 2789
Campbell, R. T. 16, 3918
Campbell, T. A. 991
Camper, N. D. 2608, 3335
Campobasso, G. 2200
Campos, L. S. 2536
Canada, Agriculture Canada, Research Station, Agassiz 1691
Canada, Agriculture Canada, Research Station, Beaverlodge 1650
Canada, Agriculture Canada, Research Station, Brandon 1597, 3090
Canada, Agriculture Canada, Research Station, Charlottetown 1645, 3087
Canada, Agriculture Canada, Research Station, Delhi 3033
Canada, Agriculture Canada, Research Station, Harrow 1619, 1673, 2861, 3305
Canada, Agriculture Canada, Research Station, Kentville, Nova Scotia 1734, 2795, 2815, 2817, 3031, 3112, 3170, 3329
Canada, Agriculture Canada, Research Station, Lacombe 1601, 3098
Canada, Agriculture Canada, Research Station, Lethbridge 1595, 1729, 3057
Canada, Agriculture Canada, Research Station, Melfort 2780
Canada, Agriculture Canada, Research Station, Morden 1594, 3088
Canada, Agriculture Canada, Research Station, Ottawa 2754
Canada, Agriculture Canada, Research Station, Regina 1746, 1924, 2865, 2956, 3232, 3315
Canada, Agriculture Canada, Research Station, Sainte-Foy 1783
Canada, Agriculture Canada, Research Station, Saskatoon 1603, 2767
Canada, Agriculture Canada, Research Station, Saskatoon and Experimental Farm, Scott 3384, 3433, 3440, 3442
Canada, Agriculture Canada, Research Station, Summerland 1696
Canada, Agriculture Canada, Station de Recherches, Sainte-Foy 2877
Canada, Conseil de Recherches et Services Agricoles du Québec 996
Canada, Department of Regional Economic Expansion, Prairie Farm Rehabilitation Administration 142
Čanak, M. 1096
Cannel, R. Q. 1588
Cannizzaro, R. D. 4030
Cantier, J. M. 1235
Cao, W. S. 1984
Cao, Y. S. 1738
Capdepon, M. 1811
Caporiccio, B. 1936
Caputa, J. 548
Cardona, C. 1478
Carelli, M. L. C. 3097
Carey, D. F., Jr. 849
Carlos Ramallo, J. 1817
Carlson, H. 1116
Carman, G. E. 325
Carman, J. G. 3942
Carmelli, D. 3037
Carmelo, F. 2703
Carnahan, J. A. 2493
Carneiro, A. C. 3016
Carone, F. 835
Carpenter, P. L. 2665, 3510, 3852
Carpenter, S. R. 1415, 1547
Carpio, N. 3804
Carpov, A. 4026
Carraro, J. 3651
Carrier, J. C. 3276
Carrigan, M. 4122
Carringer, R. D. 1298, 2746
Carsten, C. 2491
Carter, C. C. 3185, 3724
Carter, C. H. 997, 3808
Carter, J. G. 4056
Carvajal, M. 711
Carvalho, D. A. de 3228
Carvalho, J. B. 3107
Cary, P. R. 1427
Casanova, P. 1225
Caseley, J. C. 535, 672, 2607
Casida, J. E. 1198, 1199, 1226, 1900, 1938, 2232
Casquijo, A. M. 3758
Cassani, J. R. 872, 3186
Cassidy, J. C. 2420, 3839
Castillo, A. C. 2779
Castin, E. M. 2736
Castro, E. 1758
Castro, H. 998
Cat, W. de 614
Catizone, P. 1620, 3363
Caton, W. E. 3186
Caudal, Y. 1360
Caussin, R. 2649, 3064
Cave, T. G. 157
Cavers, P. B. 190, 530, 3212
Cellier, K. M. 1079
Center, T. D. 814, 1174, 1852
Centro Internacional de Mejoramiento de Maíz y Trigo 1281
Çerkauskas, R. F. 3725
Černá, V. 3630
Cerneanu, I. 450
Çérol, E. 3686
Čerŏvská, N. 3630
Cervelli, S. 1567, 3053
Cessna, A. J. 1539
Cestac, Y. 2116
Çetinsoy, S. 2348
Chacko, E. K. 2827
Chacko, V. T. 2633
Chadová, D. 2981
Chakrabarti, S. D. 3999
Chaleff, R. S. 1187
Chalfant, R. B. 2077
Chamberlain, E. 1622
Chamblee, R. W. 2758, 2903
Chancellor, R. J. 571, 1127, 1586, 3579
Chand, S. 2602
Chandler, C. 621
Chandler, J. M. 3140, 3976
Chandler, M. 1775
Chandra Singh, D. J. 440, 455, 1990, 1993, 2325, 2327, 2387
Chandraka, B. L. 3405
Chang, H. K. 1556
Chang, S. S. 3680
Chang, T. H. 1984
Chang, T.-S. 2730
Chang, Y. H. 1757
Chappell, B. C. 1232, 1319
Charrua Graça, M. M. 2544
Charudattan, R. 600, 1831, 1835, 1859, 3975, 4113
Charyev, R. 1087
Chassin, P. 1944
Chatterjee, A. K. 1440
Chatterjee, B. N. 55
Chattopadhyay, S. B. 1874
Chaudhari, B. K. 2328
Chaudhary, S. A. 1784
Chauhan, H. V. S. 2392
Chauhan, R. S. 1989, 1990
Chauhan, S. V. S. 3629
Chaushev, G. 141
Cheguillaume, N. 2185
Chen, F. S. 3278
Chen, Y. L. 1237
Chenault, E. W. 1390, 3239
Cheney, T. M. 3889
Cheng, C. H. 674
Cheng, H. H. 2302, 3330
Cheng, K.-C. 3597
Chenkin, A. F. 3365
Cherkashin, V. N. 3610
Chernikova, L. M. 249
Chernobrovkina, N. P. 1928
Chernoff, N. 3666
Chernova, N. I. 339, 3694
Cherrett, J. M. 2939
Chesalan, G. A. 3730, 3752
Chesalin, G. A. 1788
Chevrel, J. 2809, 3147
Chia, L. S. 270
Chiba, K. 2501
Chibotaŕ, V. V. 2143
Chigbo, F. R. 3359
Chigrinskaya, Yu. N. 1086
Child, R. 2520
Chin, H. F. 2871
Chin, W. H. 1168
Chirilă, C. 1751
Chisaka, H. 3307
Chitapong, P. 76, 3787, 3923
Chkanikov, D. I. 253, 288, 606, 4049
Chmielewski, J. 1422
Chmil', V. D. 288
Cho, K. D. 1672
Cho, S. C. 2734
Cho, S. M. 2307
Cho, Y. W. 1672
Chodová, D. 1497
Choi, W. Y. 1315
Chou, C.-H. 889, 1779
Choudhari, K. G. 516
Choudhari, S. D. 2328
Choudhary, A. H. 18, 19, 36, 38, 439, 443, 445, 471, 473, 729, 1303, 2387, 3399
Choudhary, B. S. 2327
Choudhuri, M. A. 3216, 3256
Chougule, J. D. 2329
Chow, P. N. P. 363, 1191, 1385, 2051, 2989
Chowdhury, A. 4063
Christensen, G. M. 3687
Christensson, H. 4119
Christian, F. A. 3319
Christiansen, M. N. 1903
Christie, R. G. 1835
Chubb, W. O. 2057
Chumakov, A. E. 3365
Chumley, C. B. 4027
Chung, B. H. 1772
Chung, S. J. 1777, 3165, 3473
Chung, S. T. 1772
Chuntuma, A. 3180
Chuo, S. K. 3160
Churchill, B. W. 3982
Chwedoruk, A. 1255
Chykaliuk, P. B. 2986, 3628
Cianciara, T. 1690
Ciardi, C. 3053
Cideciyan, M. A. 3902
Ciorlăuş, A. 1615
Ciritto, M. 1680
Civantos L.-V., L. 1703

Claflin, L. E. 3263
Clare, R. J. 2776
Clare, R. W. 385
Clark, D. 3869
Clark, D. E. 1033, 1317
Clark, H. 1794
Clark, K. 1794
Clark, R. K. 1490
Clary, W. P. 66
Claus, R. 3496
Clausing, P. 3665
Claver, F. K. 3577
Clay, D. V. 116, 1071
Cleland, C. F. 3274
Cmiech, H. A. 182
Coaker, T. H. 2939
Cobb, A. H. 1515
Cobb, W. T. 3841
Cobel, H. 1775
Coble, H. D. 901, 956, 2903, 3424, 3518
Coburn Williams, M. 803
Cochet, J. C. 2694, 2701
Cochrane, W. P. 2258, 4030
Cock, M. J. W. 2972, 3267, 3971
Codaccioni, P. 1558
Code, G. R. 2359, 2383, 2492, 2545
Coelho, A. D. 2727, 2821, 3080
Coffey, D. L. 1359
Coffman, C. B. 505, 3755
Coffman, M. S. 1712
Cohen, A. S. 1889
Cohn, M. A. 808, 3277
Colarusso, M. 1922
Colbaugh, P. F. 1175
Colby, R. W. 1745
Cole, A. W. 3345
Cole, E. R. 2635, 2646
Cole, M. A. 2652
Coleman, Q. C. 4096
Coleti, J. T. 2906
Coll C., T. 3804, 3943
Collet, G. R. 1506
Collins, J. C. 310
Colombo, R. 3990
Combellack, J. H. 670, 2663, 2667, 3054, 3696
Comes, R. D. 1085, 3044
Commission of the European Communities 2672
Commonwealth Institute of Biological Control 2944
Compoint, J. P. 611, 1147
Compton, J. A. F. 2678
Condon, R. W. 2559
Conn, J. S. 3082
Conner, R. L. 1159
Connick, W. J., Jr. 1879, 3019
Conti, G. G. 3718
Conti, M. 2939
Conti, S. 1620
Contreras T., D. 487
Conway, K. E. 600
Cook, A. M. 1560, 1923, 2301
Cook, C. D. K. 842
Cook, C. S. 3247
Cook, E. F. 1271
Cook, G. E. 4027
Cook, G. L. 3276
Cook, G. T. 362
Cook, L. W. 3018, 3032, 3311
Cook, R. L. 915
Cook, S. J. 2065
Cooke, G. D. 2848
Cooks, R. G. 927
Cooper, A. S. 679
Cooper, H. B. 3808
Cooper, J. I. 2939
Coote, B. G. 853
Copin, A. 2285, 2293, 2626, 2649
Corbett, J. R. 273
Corbin, F. T. 3648
Corbus, F. G. 3515
Cordier, M. 3493
Cordo, H. A. 1835, 2575, 3271
Corke, C. T. 646
Cornfield, J. 1221
Cornier, A. 3083
Corsini, D. 1270
Corso, G. M. 250
Cortes, A. J. 2703
Cortier, J. 122
Coşoveanu, A. 29
Cossey, A. L. 912
Costa, A. M. L. 2832, 2833
Costa, J. C. 2696
Costa, J. C. A. 2528, 2555
Costa, L. M. da 85
Costa V., J. 370
Costache, N. 3488
Coste, C. 1235
Coster, S. K. 1072
Cotterill, E. G. 1524
Cottingham, D. 683, 684
Couch, R. W. 4048
Couch, T. L. 2949
Coudret, A. 1804
Coulson, J. R. 1488
Coultas, J. S. 2749
Coupland, D. 672, 1189, 3187
Courtney, A. D. 159, 2466
Courtney, K. D. 1548, 1549
Coutts, R. T. 918
Cowan, W. F. 1551
Cox, G. R. 1743
Cox, J. M. 3414
Cox, R. J. 1378
Cox, T. I. 767, 2685, 2792, 2856
Coyne, D. P. 3287
Crabtree, E. V. 3014
Crafts, A. S. 247
Craig, L. 2272
Craker, L. E. 4033
Cramer, G. L. 798, 799, 2131, 3935
Crane, R. A. 3462
Crane, S. 45, 104
Crawford, S. H. 3139, 3145, 3415
Creager, R. A. 2806
Creighton, J. F. 77, 88, 755
Cremlyn, R. J. W. 2616
Cresswell, E. G. 2479
Creswell, T. C. 3346
Criollo E., H. 3569
Crisp, C. M. 125
Cromack, H. T. H. 2786
Crompton, C. W. 190
Cronin, E. H. 537, 803
Cronje, T. 2616
Croppa, M. 4021
Cross, B. T. 777
Cross, J. R. 2177
Crouzel, I. S. de 2574
Crouzier, S. 2791
Crowley, R. H. 1776, 3204
Cruz, L. S. P. 49, 2828
Csákvári, B. 3007
Csatlós, I. 281
Cudlín, P. 3690
Cudney, D. W. 1651
Cullen, J. M. 1843, 1858, 1871, 2208, 2212, 3268, 3269, 3609
Cullen, R. E. 1859
Cullimore, D. R. 1253
Cummins, D. G. 2732
Cummins, J. N. 1355
Cunha, G. A. P. da 3173
Cunha, L. H. de S. 3209
Curl, E. A. 3346, 3347
Currey, W. L. 1301, 1326, 2370
Curtis, A. V. 2473
Curtis, O. F. Jr. 1355
Curvale, J. P. 78
Cussans, G. W. 403, 630, 1131, 3580
Cutler, J. R. 973, 3072
Čuturilo, S. 1141, 1261
Cvetković, R. 1117
Cyprus, Cyprus Agricultural Research Institute 512
D., B. 147
Dąbrowska, W. 514
Dagar, J. C. 538
Daito, H. 131
Dakshini, K. M. M. 3558
Dalby, J. M. 2110
Dale, H. M. 2524
Dale, I. J. 1803
Dale, J. E. 368, 506, 2029, 3522
Daljit Singh 2329
Dall'Armellina, A. 70, 177
Dall'Armellina, A. A. 2421
Daly, P. 3467
Damián, Y. 1700
Damme, J. C. van 2630
Damodaran, A. 1991
Dana, M. N. 2316
Danauskas, J. X. 318
Danauskus, J. 1221
Daniau, P. 79, 2742
Daniel, W. H. 2102
Daniell, H. 897
Danielson, L. L. 991
Darmency, H. 1147, 1511, 2152, 2599, 3911, 4020
Darmstadt, G. L. 4000
Darr, S. 1202
Darwish, M. E. M. H. 2050
Darwish, N. E. M. H. 2052
Datta, S. C. 1440, 1460, 2907, 3999
Datta, S. K. de 1623, 3104
David, A. 2820
Davies, D. G. 3995
Davies, E. L. P. 3426
Davies, H. A. 952, 1563
Davies, J. 54, 2786
Davies, J. E. 318, 326, 1221
Davies, L. G. 1515
Davies, W. I. C. 54, 2786
Davis, C. J. 3181
Davis, D. E. 805, 2267, 4015
Davis, D. G. 3283
Davis, G. J. 849
Davis, H. E. 110
Davis, J. E. 320
Davison, J. G. 531
Davydov, A. M. 458
Davydov, Yu. S. 4109
Dawson, F. H. 165
Dawson, J. H. 2904, 3455, 3456
Day, E. W., Jr. 1533
Day, R. J. 927
De, B. K. 1874
De, C. C. 2327
Deacon, J. W. 2939
Dębska, M. 1934
Debska, W. 1541
Debusk, T. A. 977, 1424
Decleire, M. 614
Decleire, M. M. 3634
Decoteau, D. R. 4033
Dedyshin, Ya. I. 477
Deepak, A. B. 2329
Deeva, V. D. 602
Deeva, V. P. 462
Deighton, P. J. 1742, 1864
DeKernion, P. 342
Dekker, J. 1634
Dekker, J. H. 1434
Dekker, M. 1453
Dekker, R. J. 3366
Delabraze, P. 2831, 2836, 2837, 2840, 2841, 2842
Delahousse, B. 2809, 3147
Delaney, R. H. 3453
Delassus, C. 2697, 2709
Delaude, A. 2784
Deleu, R. 2285, 2293, 2626, 2649
Delfosse, E. S. 1858, 2208, 2212, 3609
D'Elia de Díaz Botta, E. 1817
Dell'Agnola, G. 1895
Delmarcelle, J. 2293, 2626, 2649
DeLoach, C. J. 1652, 2593, 3271
DeLoah, C. J. 2575
Demeter, S. 894, 1508, 3632, 4021
Demoranville, I. E. 119
Denmark, Landsudvalget for Planteavl 1273, 1593, 3368
Dernoeden, P. H. 102, 112, 113, 507, 508
Derting, C. W. 2670
Desai, S. A. 1822
Deschênes, J. M. 3560
Deshmukh, N. Y. 556
DeStefano, J. J. 4030
Deuber, R. 15, 3097, 3123
Deubert, K. H. 3858
Deuse, J. P. L. 132
Deutsch, A. E. 679
Devaraj, K. V. 1267, 2330
Devi, Y. P. 1583
Devif, M. 3302
Devine, M. D. 1909
Devlin, R. M. 119, 895, 3858, 4009
Dewey, S. A. 2240
Dexter, A. G. 833, 1000, 1039, 1333, 1787, 1980, 3086, 3226, 3288
Dhanaraj, R. E. 2325
Dhar, B. 4089
Dhar, R. P. 1992
Dhuria, H. S. 1992, 2325
Diab, M. M. 619
Diana, P. 3010
Dianese, J. C. 1156
Diatloff, G. 2462
Díaz, J. C. 1365, 1700, 1702
Díaz M., G. 4044
Dibb, C. 53
Dickens, R. 3593
Diesperger, H. 1503
Dietrich, S. M. C. 1404
Dijk, S. J. van de 825, 2158, 3217, 3218
Dimitrova, R. 1044
Dinoor, A. 2939
Dirksmeier, G. 4075
Ditto, C. 2236
Divakaran, O. 545, 854
Dixit, R. S. 446
Dixon, G. A. 904, 3639
Dixon, G. R. 1353
Dnyansagar, V. R. 1504
Doane, W. M. 1572
Dobrovich, L. 463
Dobson, C. J. 1576
Dock, A. M. 574
Dodel, J. 3651
Dodel, J. B. 2839
Dodge, A. D. 1193
Doersch, R. E. 1292, 1296
Döhler, R. 1001
Doïkova, M. 1540
Doïkova, N. 1675
Dolby, G. R. 2065
Dolby, J. M. 2822, 2823
Doll, J. D. 1126, 1442, 1786, 1792, 1896, 1975, 2335, 2336, 2538, 3521
Doll, R. 553
Dolot, N. K. 464, 2088
Domańska, H. 1255
Domański, R. 271
Domínguez V., A. 3807
Domsch, K. H. 3685
Donald, W. W. 903, 3624
Donaldson, E. M. 3322
Donaldson, T. W. 2545
Donndelinger, C. R. 1160
Doohan, D. 117
Dord, D. C. van 1618
Dordio, J. J. 2527, 2800
Dordio, M. F. 2503, 2527, 2541, 2800
Dorne, A.-J. 2488
Dornescu, D. 1609
Dorr, I. 594
Dorrell, D. G. 2051
Dottavio, F. D. 683, 684
Douchet, J. P. 3301
Dougherty, R. C. 3308
Douglas, G. R. 1937
Doust, J. L. 3212, 3949
Doust, L. L. 2182, 2183, 3212, 3949
Doweyko, A. M. 3653
Downing, S. L. 1037
Doyle, E. A. 2287
Doyon, D. 1791
Drăgan, D. 4026
Draper, W. M. 922, 3304
Dražić, D. 1789
Drennan, D. S. H. 571, 1514, 2228, 2237

Drew, B. N. 3770
Drexler, D. M. 635
Drèze, P. 2285, 2626
Drinkwine, A. D. 603
Drogoul, C. 2276
Droppa, M. 894, 1508, 3632
Drost, C. 3959
Drost, D. C. 1126, 1975
Drozdov, V. A. 286
Drummond, D. J. 1653
Dryanovska, O. A. 1185
Dryden, R. D. 363
Duarte, M. 3907
Dubbers, F. A. A. 1731
Dubelman, S. 3671
Dubey, P. S. 251, 2326
Dubovoĭ, V. P. 253
Dubský, H. 1921
Dubuc, J. P. 3560
Duckett, A. R. 2472
Duckett, J. G. 2472
Ducruet, J.-M. 4017
Dudley, J. M. 1663
Dufault, R. J. 3472
Duffield, A. M. 837
Duffield, A. N. 202, 226, 852
Dufour, F. 3174, 3503, 3867
Duggan, K. J. 3592
Duhaubois, R. 2334, 2693, 2694
Duich, J. M. 108
Duke, S. O. 893
Duke, W. B. 254, 357, 4019
Dumartin, P. 123, 3491
Dumbroff, E. M. 270
Dumetier, J. P. 2839
Dumitrescu, N. 1609
Dumont, J. C. 2723
Dumont, R. 2740, 2784, 3062, 3151
Duncan, D. N. 2241, 2814, 3289, 3298
Duncan, H. J. 362, 4014
Duncan, K. W. 3882
Dunham, R. J. 3642
Dunkelblum, E. 660
Dunn, P. H. 1488, 1830, 2961
Duranti, A. 835, 1062
Durbin, R. D. 2940
Durst, F. 2227
Duseja, D. R. 3337
Dushnicky, L. 3951
Dusky, J. A. 3995
Dutartre, A. 3030
Dutka, F. 332, 902, 921
Dutt, T. E. 3859
Duysen, M. E. 1186, 3288
Duyts, H. 1468
Dvořák, J. 1133, 2144, 2145
Dvoryakin, E. A. 462
Dwarakanath, N. 1990
Dwivedi, D. P. 2326
Dye, H. M. 3322
Dyer, W. E. 3748
Dysart, O. 684
Dyson-Hudson, R. 1264
Dzhafarli, F. M. 390
Eagle, D. J. 2268
Easi, D. A. 4124
Eastin, E. F. 20, 1099, 1102
Eastin, W. C., Jr. 3323
Eastop, V. F. 2939
Easwaran, K. S. S. 2327
Eaton, J. W. 158, 304, 847, 2847, 3036
Ebdon, J. S. 509
Ebert, E. 2605
Ebing, W. 891, 1215, 2296, 4068, 4069
Ebke, D. H. 1421
Ebron, M. T. 1548, 1549
Eckert, B. 947
Edelman, M. 1200
Eder, G. 3040
Edgerton, T. R. 321
Edgington, L. V. 1893
Edwards, C. J., Jr. 3789
Edwards, D. R. 3986
Edwards, J. O. 1916
Edwards, N. C., Jr. 3420
Edwards, R. V. 53
Edwards, R. W. 852
Effendi, S. 3366
Efimova, V. N. 774
Egawa, H. 333
Eggers, T. 870, 3236, 3575
Egley, G. H. 1752, 2137, 2138, 3540
Eguchi, S. 3110
Ehrenpfordt, V. 2170, 3234
Ehret, G. R. 2318
Eichers, T. R. 381, 382, 383
Eichler, D. 3685
Eisenstadt, M. L. 1902
Ekler, Z. 332
El-Abdeen, A. Z. 3476
El-Ayouty, E. Y. 886
El-Banna, E. 3413
El Bar, F. A. 3475
El-Bassoumy, M. 2385
El-Gharably, Z. 1731
El-Gholl, N. E. 1490
El-Hinnawy, S. 2601
El-Hissy, F. T. 348
El-Kalla, S. E. 2003, 2010
El-Masry, R. 1107
El-Safwani, N. A. El-W. 2490
El-Salt, A. A. 1227
El-Sergany, M. 1227
El-Tekriti, R. A. 2880
Elder, V. A. 4065
Elgar, K. E. 2634, 2651
Eliáš, P. 1800
Ellers, K. L. 2233
Elliott, J. G. 993
Elliott, R. A. 1376
Ellis, P. R. 3264
Ellis, W. C. 57
Elmore, C. D. 3522
Elmore, C. L. 1349, 1685, 2432, 2433, 2434, 2435, 2437, 2438, 2439, 2440
Elofson, R. M. 3278
Elstner, E. F. 2605
Eltun, R. 3821
Ely, D. G. 2068
Embling, S. J. 2284
Embry, D. L. 62
Emden, H. F. van 2214, 2939
Emge, R. G. 873, 2951
Ende, F. 2006
Endtmann, K. F. 3870
Engelbrecht, V. M. 3554
Engelhardt, G. 3050
Engelke, R. 1088
Englande, A. J. 342
Engle, D. M. 257
English, T. J. 3261
Ennet, D. 298
Enns, R. K. 1881, 1882
Enomoto, T. 549
Enos, H. F. 318, 1221
Epishina, L. V. 339, 3694
Eplee, R. E. 2319, 2938
Erb, H. E. 2197
Ercis, A. 3862
Erdei, L. 2184
Erdmann, G. G. 1379
Erfurth, P. 3235
Ergashev, A. K. 4005
Erickson, C. G. 357, 1910
Ericsson, O. 4103
Ermolaeva, O. E. 495
Erny, M. 2697, 2708, 2709, 3159
Erviö, L. R. 3895
Esashi, Y. 187, 1103, 3542, 3904
Escalada, R. G. 3398
Escasinas, A. B. 3398
Eschmeyer, P. H. 3320
Eshel, Y. 1509
Es'kin, A B 884
Estano, D. B. 2901
Estefanell, N. 1051
Estorninos, L. E. 1230
Etholén, K. 518
Etzel, L. K. 2206
Eussen, J. H. H. 700, 1890, 2505, 2506, 3366
Evans, A. W. 3544
Evans, J. O. 4095
Evans, N. 1535
Evans, R. A. 815, 2146, 4124
Evans, R. R. 833, 3226
Evans, S. A. 629
Everaarts, A. P. 193
Everett, J. 1775
Evers, G. W. 1336, 2778
Evetts, L. L. 1104
Eweida, M. H. T. 42, 2050, 2052
Ewel, K. C. 3219
Eyherabide, G. 1100
Ezra, G. 3638
Ezumah, H. C. 1
Fablet, G. 3543
Fabre, E. 2361
Factori, V. 250
Fadayomi, O. 47
Fadeev, Yu. N. 2403, 3365
Fagade, S. O. 1611
Fairbanks, B. C. 2287
Faludi-Daniel, A. 2368
Fan, D. F. 4074
Farah, A. F. 1305, 1432
Faribault, P. 2808
Faroda, A. S. 3111
Farrington, D. S. 2255
Fateh Singh 2325
Fatemi, H. 1345
Fatesh Singh 2328
Fatrăscoiu, F. 3152
Fauck, H. 3870
Favilli, F. 3682
Fawcett, R. 2335
Fawcett, R. S. 1033, 1297, 1298, 1317, 1387, 1976
Fay, P. K. 2204, 3745, 3748
Fayed, M. T. 2024, 2026
Fear, C. 770
Feare, C. J. 2939
Fears, R. D. 1722
Fedina, I. S. 1212
Fedorova, L. L. 1644
Fedotova, I. V. 286
Fedtke, C. 1249
Fee, J. A. 2242
Feldman, L. J. 3274
Felix, R. 1614
Fenster, C. R. 1104, 1278, 1602, 1953, 2354
Fer, A. 867, 2571, 2781
Ferenbaugh, R. W. 1927
Ferguson, D. C. 2945
Fernandes, A. M. S. S. 3048
Fernandes, B. 341
Fernandes, J. D. 2849
Fernández, D. B. 1098, 3077
Fernández-Quintanilla, C. 2652, 3115
Ferrari-Bravo, P. 3990
Ferrari, G. 1895, 3043, 3618
Ferreira, J. R. 3048
Ferreira, M. B. 3209
Ferrell, J. 3666
Ferrer, R. 2575
Ferretti, P. A. 75
Fertig, S. N. 1221, 1543
Fetvadjieva, N. 2367
Fetvadzhieva, N. 2367
Feuer, S. M. 3258, 3259
Feyerabend, G. 2690, 2691, 3234
Fialko, R. N. 628
Fick, W. H. 592
Field, R. J. 812, 3909
Filimonov, B. F. 3020
Filimonova, M. M. 3020
Findlay, J. B. R. 1072
Fine, D. H. 925
Finkel'shtein, Z. I. 656, 942, 3332
Finnamore, D. B. 2965
Finnerty, D. W. 1276, 1719, 1735
Firth, D. J. 2923
Fischer, A. 1608, 1610, 1614, 1668, 1669, 1671, 1768, 1769, 2008, 2310
Fischer, A. J. 1607, 2362
Fischer, B. B. 1639
Fischer, M. 3429
Fischer, W. 3234
Fishbein, L. 1223
Fisher, D. G. 2560
Fisher, J. A. 2705, 2706
Fisher, J. J. 2853
Fisher, R. F. 211, 212
Fisichella, G. 258
Fiskesjö, G. 1494
Fisyunov, A. V. 407, 424
Fitzgerald, D. J. 1276
Flagg, E. W. 651
Fleck, N. G. 34, 35, 2529, 3773
Fleeker, J. R. 603, 3311
Flegg, J. J. M. 2939
Fleites B., A. 3804
Fleites V., R. 3944
Fletcher, B. 4098
Fletcher, C. 4098
Fletcher, R. 3940
Fletcher, R. A. 635
Fletcher, W. W. 4025
Flinn, D. W. 2838, 3878
Flint, E. P. 2938, 3920
Flom, D. G. 3897
Flynn, R. R. 1933, 3038
Fodor-Csorba, K. 921
Fogelfors, H. 1449, 3906
Földesi, D. 51, 96
Folkesson, B. 3512
Fölscher, W. J. 338
Fomin, A. V. 733
Fontana, S. A. 1287
Fontes, L. E. F. 341
Fonteyn, P. J. 2157
Forbes, J. C. 180, 2930
Ford, H. 2557, 2558
Ford, J. H. 3117
Formoso, F. A. 1338
Forney, D. R. 2267
Forno, I. W. 875, 1382, 1869, 1870
Fornstrom, K. J. 364, 2759
Forster, R. 130
Forsyth, C. 3536
Fort, G. 121
Fosbraey, L. A. 4034
Foster, D. E. 2593
Foster, D. K. 412
Foster, M. A. 778
Foucard, J. C. 2809
Foucaud, H. 2693
Fouda, S. A. 3474
Fournier, J. C. 331, 1558, 2276
Fowler, N. 2548, 2549, 3227
Fowler, R. M. 3711
Fox, F. D. 2660
Foy, C. L. 1046, 2726
Fpïscher, W. J. 4078
Frame, J. 1654
France, Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières 279, 3091
France, Institut de Recherches du Coton et des Textiles Exotiques 3805
Franci, M. 2303
Franco, J. do A. 2540
Franco, W. J. 3566
Franek, M. 739
Frank, J. de 1059
Frank, J. R. 505, 1682, 3755
Franke, G. 1987
Frans, R. 4, 2753
Frans, R. E. 2130, 3746
Fraselle, J. 2381
Fraser, F. 679
Fratello, B. 1961, 1962, 3691
Frattini, M. P. 819
Frear, D. S. 2990
Fredericks, P. M. 278
Freeborg, R. P. 2102
Freed, V. H. 318, 326, 1221
Freeland, T. R. 1662
Freeman, D. C. 1420
Freeman, J. A. 1666, 2812
Freeman, T. E. 600, 1831, 1859
Frehse, H. 1941
Frei, R. W. 291, 1531, 3009, 3669
Freitag, D. 4032
French, D. W. 863, 1812
French, E. W. 9
French, M. 1775
Fretz, T. A. 1350, 3352
Frey, L. S. 2434

Friebolin, L. P. 539
Friedländer, H. 1211
Friedman, J. 2910
Friessleben, G. 2045
Fritz-Sheridan, R. P. 3325
Frochot, H. 1372, 2261, 2829, 2830
Fröhling, J. 5
Frolova, T. N. 2143
Frost, A. R. 355, 358
Froud-Williams, R. J. 213, 536, 571, 3579, 3580
Frye, R. D. 2943
Fryer, J. D. 1587, 2939
Fua, J. M. 2360, 2382
Fuchsbichler, G. 1950
Fudecka, J. 514
Fuentes C., P. 2494
Führ, F. 2302
Fuhrman, M. H. 230
Fujii, Y. 329
Fujisawa, S. 3006
Fujishima, H. 2154
Fuller, T. C. 2926
Fülöp, A. 282
Fulton, R. G. 2408
Funk, A. 3260
Furrer, A. H. 1635
Furrer, J. D. 2669, 2729, 2745, 2748
Furusaka, C. 352
Furuya, T. 2570
Furuzawa, K. 2245
Gaaboub, L. A. 1584
Gabardo, M. L. L. 1885
Gad, A. Y. 3413
Gadvir, S. B. 1993
Gaffer, M. A. 2331
Gaffney, G. 1709
Gaher, S. 438
Gaïduk, V. F. 4067
Gaillardon, P. 1943, 4017
Gaitan P., M. 1243
Galaev, V. I. 150
Galano H., R. 2735
Gale, A. F. 206
Galinato, M. I. 3938
Galitz, D. S. 195
Galiulin, R. V. 649, 4070
Gallahan, D. 1264
Gallant, D. 2568
Gallant, D. J. 2185
Gallego, V. C. 700, 3366
Gallery, D. E. 1744
Galoux, M. 2630
Galvez, V. M. 3569
Galvis, Y. C. de 3713
Galvis, Y. de 3563
Gambia, The, Ministry of Agriculture and Natural Resources, Gambia Crop Protection Services 431, 444, 456, 680, 839, 858
Game, M. 2180
Gandara L., R. 2494
Gangstad, E. O. 377, 3317, 3714
Ganzelmeier, H. 1570, 3349
Garbali, P. 605
Garber, R. H. 3808
Garcia, A. 1774
Garcia-Baudin, J. M. 809, 1109, 1463, 1847
García D., E. 3563, 3713
Garcia, F. 3568
Gardner, G. 267, 1905
Garg, O. K. 1016, 2328
Garner, J. 1270
Garnett, R. P. 1974
Garrard, L. A. 975, 976
Garrido, J. 2712
Garvin, J. W. 722
Gaskill, A., Jr. 2628
Gaspar, S. 2285, 3064
Gasquez, J. 611, 1147, 2599, 2720, 3286, 4020
Gaudry, J. C. 1943
Gaunce, A. 652
Gaunt, G. K. 882
Gaunt, J. K. 3310
Gaur, A. C. 1564
Gaur, J. P. 1578
Gaushal, C. H. 2330
Gausman, H. W. 181
Gautam, K. C. 1988, 2328, 2355
Gautam, K. G. 2326
Gauthier, B. 2835
Gavranović-Brkić, D. 1008
Gay, J. L. 1878
Gaynor, D. L. 2844
Gaynor, J. D. 293, 1951, 2247, 3309, 3339
Gazziero, D. L. P. 3773
Geadelmann, J. L. 3118
Gealy, D. R. 2027
Gear, J. R. 3303
Gearhart, H. L. 915
Gebhardt, M. C. 28
Gee, S. J. 2958
Genchi, G. 3343
Gentet, C. 3062
Gentner, W. A. 505, 991
Gentsch, B. 1339
George, D. A. 2255, 2629
Georgiev, S. 1034
Gerber, H. R. 1520, 4031
Gerdol, R. 1452
German Federal Republic, Biologische Bundesanstalt für Land- und Forstwirtschaft 68, 705, 761, 827, 870, 891, 916, 947, 948, 950, 951, 953, 954, 1612, 3575, 3744, 3751, 3958, 4041, 4043, 4050, 4053, 4069, 4074, 4082, 4088
German, I. V. 1935
Gerstl, Z. 1241
Gerzon-Dezsö, E. 3576
Getsinger, K. D. 3181
Getz, M. E. 4030
Gevelberg, A. 3047
Geyer, W. A. 1082, 1351
Ghaffer, A. 3970
Ghali, Y. 3636
Ghani, M. A. 3601
Ghanuni, A. M. M. 1207
Ghasanfari, J. 1641
Ghobrial, G. I. 1310
Ghoneim, S. 1731
Ghosh, A. K. 1988, 2327, 2329, 2330
Ghosh, D. C. 1990, 2044, 2330
Ghosh, G. 2329
Ghosh, M. S. 2454
Ghosh, S. K. 869
Giannopolitis, C. N. 3131
Giardi, M. T. 3659
Giardina, M. C. 3659, 3682
Gibeault, V. A. 1651
Gigax, D. R. 1280
Gilbey, D. J. 1108
Gile, J. D. 310, 4087
Gill, G. S. 2160
Gill, H. N. 2326
Gill, H. S. 1024, 2357, 2897
Giller, K. E. 3245
Gillespie, G. R. 1285, 3148, 3149
Gillett, J. M. 3211
Gillett, J. W. 310
Gilliland, P. L. 2242
Gilmour, A. R. 2406
Gilreath, J. P. 2168
Gilstrap, F. E. 580
Gimesi, A. 2011
Giovannetti, M. 3326
Gipson, J. R. 335, 905, 959, 4001
Giri, A. W. 2328
Gita Kulshrestha, Bhagwan Das 1988
Giusquiani, P. L. 623
Givelet, M. 3069
Gjerstad, D. H. 2458
Glad, G. 1949
Glas, R. D. 3009
Glaser, A. V. 1735
Glass, R. L. 2632
Glaze, N. C. 1352, 2077
Glazko, V. B. 468
Glenn, B. 2068
Glenn, S. 2068, 3930, 4010, 4039, 4040
Gluhaich, P. 1674
Glušac, D. 1789
Gnanam, A. 3640
Gnanarethinam, J. L. 1381
Gnusowski, B. 1216
Goapalswamy, N. 2330
Godden, G. D. 1693
Godding, S. J. 425
Godec, H. 3705
Godinho, I. 2528, 2988
Godley, F. M. 3424
Godman, R. M. 1379
Goeden, R. D. 1860, 1877, 3270
Goetz, H. 3157
Gogiya, L. N. 1090
Goh, C. J. 2811
Goldsworthy, J. A. 1653
Golovlev, E. L. 656
Golovleva, L. A. 656, 942, 3332
Gomaa, A. S. A. 2003
Gomaa, E. A. A. 2003, 2010
Gomand, M. 2739, 3042
Gómez de Barreda, D. D. 128
Gómez, J. 2619
Gómez, S., M. A. 857
Gómez, Y., P. 2735
Goncharov, N. R. 3365
Goncharuk, E. I. 638
Góngora, J. V. 3905
Gonot, K. 1154
González, A. 3956
Gonzalez A., F. 1080
González B., G. 395
González, B., G. 396, 397, 398, 399
González, C. L. 2788
González F., J. 3563, 3713
Good, N. E. 1204
Goode, P. M. 744
Gopal, B. 848, 3246
Gopalakrishnama Naidu, L. 1991
Gopalan, H. N. B. 4002
Gopinath, M. 2859
Gopinathan, K. 3265
Göransson, B. 1949
Goraya, A. A. 3970
Gordievskiĭ, A. V. 286
Gordon, D. T. 1153
Gordon, R. A. 810, 851, 3827, 3901, 3952
Gorecka, K. 1886
Görög, K. 2368
Gorrell, R. M. 1046
Gorske, S. F. 91, 1350, 2094, 3352
Gorton, H. L. 263, 264, 265
Goryunova, V. N. 792
Gosling, L. M. 2939
Gossett, B. J. 1120, 1775
Goulding, K. H. 2616
Goulding, R. 302
Govindarajan, K. 720
Govindjee 1516
Govindra Singh 2329, 2389
Gowda, B. 2912, 2970
Gowda, S. T. 2005
Goyeau, H. 3543
Gozali, L. 700, 980, 3366
Graaf, D. Th. de 1472
Graber, R. E. 189
Graça, M. M. C. 2544
Grace, J. B. 229, 546, 1438, 3253
Gracheva, O. G. 757
Graf, J. 3894
Graham-Bryce, I. J. 1518
Graham-Bryce, R. J. 2284
Graham, J. C. 3753
Grajeta, H. 1010
Granade, G. 3428
Granström, B. 460, 488
Grant, C. E. 1937
Grassotti, A. 1681, 2098
Gratkowski, H. 3509
Graves, C. R. 31
Gray, C. L. 4030
Gray, L. E. 3666
Grayson, A. S. 1124, 1778
Grayson, B. T. 4034
Greaves, M. P. 952, 1563
Gredt, M. 350
Green, C. D. 2939
Green, G. A. 1095
Green, J. O. 3588
Green, R. 3466
Green, R. E. 4065
Greenhalgh, R. 1517, 3009
Greenlee, J. K. 1547
Greenwood, W. L. 2962
Gregory, N. R. 312
Greig, J. K. 3472
Grelon, J. 3490
Grenoble, D. W. 75
Gressel, J. 2600, 3283, 3638, 4022
Greve, P. A. 2625
Grewal, J. S. 1330
Griffin, G. D. 1479
Griffin, J. L. 1314, 1321, 3775, 3780, 3781
Grift, N. P. 3045
Grigolava, B. 2457
Grigorenko, N. V. 4004
Grime, J. P. 581, 2473, 2479
Grimme, L. H. 1534
Grinev, V. M. 3936
Grinstein, A. 1509
Griselli, M. 3326
Grobbelaar, N. 593, 1017, 3391, 3760
Grodzinski, B. 3598
Gross, D. 2995
Grossbard, E. 1957, 1967
Groupement International des Associations Nationales de Fabricants de Pesticides 2673
Grover, R. 1388, 1920, 3303
Groves, R. H. 1824, 3268, 3269
Groya, F. L. 1656
Gruczek, T. 3132
Grün, G. 3665
Grupče, R. 1141
Gruver, B. J. 4046, 4052
Gruzdev, G. S. 697, 733
Gruzdev, L. G. 1257
Gruzdo, A. N. 437
Gryaznova, E. A. 1529
Gu, L.-Q. 4007
Guatam, P. C. 1989
Guerreiro, A. R. 2860
Guh, J. O. 1315, 1772, 1777, 2093, 3113, 3122, 3165, 3473
Guïda, N. I. 436
Guimbard, C. 373
Guinand, A. 2055
Guinivan, R. A. 2631, 3660
Guirado, N. 130
Guiraud, D. 3069
Guiver, K. 4110
Gulidov, A. M. 44, 522, 655
Gul'ko, N. B. 742
Gullo, J. 1914
Gummer, W. D. 2633
Gummesson, G. 401, 414, 433, 451, 452, 474, 698, 3740, 3810, 3811
Gunasena, H. P. M. 2375
Güncan, A. 3865, 3893
Gunkel, G. 3028
Günther, C. 2167
Gunther, F. A. 294, 324
Guo, S. J. 804
Gupta, K. M. 1990, 1993, 2325, 2741
Gupta, O. 2924
Gupta, O. P. 1989, 2713
Gupta, R. K. 2330
Gupta, S. D. 2325, 2328
Gurmel Singh 1990
Gururaj Hunsigi 1990
Guş, P. 3576, 3578
Gussin, E. J. 1782
Gustafsson, B. E. 317
Gustafsson, J.-A. 317
Gutenmann, W. H. 2623
Guth, J. A. 938, 2305
Guthery, F. S. 4046, 4052
Gutsalyuk, E. A. 3365

Guzikowa, M. 855
Guzman, R. L. 1698
Guzon, D. A. 2824
Gwynne, D. C. 3459
Haab, W. 1902
Haagenson, K. A. 1037
Haas, H. 817
Haase, R. 3899, 3900
Habetz, R. J. 1314, 3775, 3780, 3781
Habib, M. E. M. 2213
Habib, R. 3967, 3969
Hackerott, H. L. 1308
Haderlie, L. C. 910, 958, 1521, 1759, 1969, 2854
Hadke, S. M. 2229
Häfliger, E. 191, 2508
Häfner, M. 634
Hageman, L. H. 704, 1003, 3336
Hagenvall, H. 669, 4093
Haggar, R. J. 53, 743, 939, 2405, 2412, 3457
Hagimoto, H. 2500
Haglund, W. A. 776
Hagood, E. S., Jr. 831, 1119, 1773
Hagras, A. M. 2050, 2052
Hahl, J. 4108
Hahn, R. R. 3762
Hajdú, J. 1665
Hajjar, N. P. 316
Håkansson, S. 3896
Hale, M. 3574
Hale, M. G. 1496, 3998
Hall, F. R. 2660
Hall, M. A. 1493
Hall, R. H. 1526
Haller, W. T. 975, 976, 3552
Hamdoun, M. 3621
Hamer, P. J. C. 125
Hamilton, D. N. 2246
Hamilton, M. A. 2641, 4055
Hamilton, W. D. 1592
Hamilton, W. T. 3155
Hamman, W. M. 1573
Hammerton, J. L. 1591
Hammock, B. D. 4030
Hamouda, A. M. 3475, 3476
Hampson, R. E. 4055
Hanbury, R. G. 2847, 3036
Hance, R. J. 613, 943, 1233, 2284, 2295, 3362
Hand, S. C. 2939
Haney, C. A. 4036
Hanify, J. A. 2638
Hanley, S. 161, 162
Hänsel, M. 3235
Hanselka, C. W. 1056
Hansen, T. H., Jr. 3186
Hanson, C. L. 1094
Happey-Wood, C. M. 1136
Haque, A. 891, 2296, 4050, 4068
Haquenne, W. 732
Harada, J. 554, 2497, 2594, 2980
Haramaki, C. 99, 764
Harbans Singh 1988
Harbott, B. J. 306
Hardcastle, W. S. 2732, 3101
Harden, M. 3722
Hardie, W. J. 1693
Harding, R. H. 4027
Hardman, J. A. 3264
Hardy, C. 2797
Hardy, J. C. 78
Harger, T. R. 1314, 3120, 3121, 3519, 3780
Hargesheimer, E. E. 918
Hargitai, E. 282, 283
Hargroder, T. G. 3144, 3414
Hari Pal 2326
Härig, R. 2810
Harkins, J. T. 3782
Harkness, R. D. 1654
Harlan, J. R. 2939
Harley, K. L. S. 1825, 1869, 2862
Harpe, A. C. de la 593
Harris, B. A. 3366
Harris, C. B. 1718, 1719
Harris, D. 1967
Harris, D. C. 2939
Harris, J. R. 2744
Harris, P. 1833, 2952
Harris, P. B. 12
Harris, R. V. 2790
Harris, T. C. 3756, 3820, 3922
Harrison, H. P. 1260
Harrison, L. R. 3138
Harrison, M. B. 1251
Harrison, S. K. 4001
Harrison, W. E. 1031
Hartberg, T. J. 2718
Härtel, K. 274
Hartley, G. S. 1518
Hartley, M. J. 2776, 3178
Hartmann, F. S. 3461
Hartwig, E. E. 3789
Hartwig, N. L. 16, 3759, 3819, 3918, 4099
Harvan, D. J. 4036
Harvey, G. J. 1725, 2554, 3158, 3524
Harvey, J. 4030
Harvey, J. J. 404, 629
Harvey, J., Jr. 4030
Harvey, R. G. 716, 906, 1029, 1292, 1296, 1334, 1386, 1477, 1655, 1664, 1896, 1978, 2072, 2075, 2335, 2386, 2719, 3471, 3769
Harward, M. 1238
Haryono, B. 3366
Hasan, S. 1162, 1489, 1832
Hasan, S. A. 3969
Hasebe, S. 2534
Haseler, W. H. 1484
Hashem, A. 3039
Hashimoto, A. 2511, 2570
Hashimoto, Y. 305
Haslam, S. M. 168, 220
Hass, J. R. 4036
Hassam, E. A.-F. 2188
Hassanein, A. M. 42
Hassanein, M. A. T. 1584
Hatch, M. 935
Hatzios, K. K. 1258, 4023
Hauck, H. E. 4030
Haunold, E. 3991
Hauser, E. W. 1952, 2033, 2034
Hawkes, R. B. 802, 2223
Hawksworth, F. G. 1148, 1410
Hawton, D. 484
Hayase, Y. 2650
Hayden, B. J. 1945, 2289
Hayden, R. A. 3852
Hayes, R. M. 31, 1633, 3224, 3418, 3425
Haynes, R. A. 943
Haynes, R. J. 1114, 1561
Hayward, D. M. 1632
Hazard, W. H. 1592
Heap, A. J. 1467
Hebb, E. A. 3877
Heckele, K. H. 995
Heckman, C. W. 645
Heelas, B. V. 2123, 2124, 2125
Heemsbergen, H. 1728
Heeney, H. B. 1357, 1358
Heeswyck, M. van 2783
Hegazi, A. 1939
Hegde, B. A. 2934
Hegde, R. K. 1822
Heidler, G. 761
Hein, H. 3681
Heinzle, Y. 123, 124, 3243, 3491
Heitefuss, R. 971, 972, 1507, 2704
Heitkamp, M. 1552
Helder, R. J. 3954
Hellmann, M. 3497, 3501
Hellmann, V. 3649
Hemery, F. 78
Hemery, P. 2797
Hemphill, D. D. Jr. 2419
Henderson, L. 3592
Hendrick, L. W. 1274
Hendrix, S. D. 2193
Henne, R. C. 94
Henning, S. 1688
Henry, R. D. 3550, 3551
Henselová, M 284
Hensleigh, P. F. 3453
Hensley, D. L. 3510
Henson, J. F. 3917
Hepwort, H. M. 2346
Herbek, J. H. 3416
Herbold, H. A. 2263
Herdi, F. 252, 604, 880, 883
Herfs, W. 967
Herichková, A. 1505
Hermansson, B. 3732
Hernámdez, S. 3124
Hernández E., P. 2107
Hernández, R. 4075
Hernández, S. 17
Herndon, E. B. 779, 780
Herold, H. 359, 3235
Herring, J. L. 2585
Herrlein, E. J. 3514
Herron, N. D. 3092
Hertwig, K. von 140
Hertz, L. B. 2814
Hervé, H. 2797
Hess, F. D. 1190, 1899, 2991, 3008, 3635
Hester, M. L. 1952
Hetz, M. W. 2198
Heupt, W. 3685
Heusinkveld, H. A. G. 2625
Hewson, R. T. 415, 417
Heyndrickx, A. M. 3017
Hickman, J. 1238
Hidasi, G. 3875
Hides, D. H. 2070
Hidzir bin Kadir, M. 1926
Higgins, E. R. 3785, 3786
Higgins, H. S. 934
Hijimoto, S. 2895
Hilaire, A. 2169
Hilbert, H. 1097
Hildebrand, L. D. 3327
Hilgendorf, J. H. 234
Hill, D. 2284
Hill, D. H. 2825
Hill, G. D. 4115
Hill, J. 1116
Hill, K. R. 4030
Hill, M. O. 1756
Hill, R. L. 3973
Hill, R. M. 3720
Hiller, L. K. 3803, 4024
Hillyer, I. G. 2095
Hilson, J. L. 3138
Hiltbold, A. E. 3428
Hilton, H. W. 3001
Himme, M. van 351, 1348, 1677, 1986, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2009, 2021, 2022, 2023, 2036, 2037, 2038, 2039, 2040, 2047, 2048, 2049, 2064, 2071, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2105, 2111, 2134, 2324, 2333, 2436, 2805, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3409, 3410, 3411, 3434, 3731, 3792, 3793, 3794, 3795, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3844, 3845, 3846, 3848, 3853, 3854, 3855, 3860, 3891
Himmelstein, F. J. 3814
Hines, T. E. 3754
Hinkley, R. B. 2705, 2706
Hino, N. 2245
Hinton, A. C. 3842
Hintzsche, E. 2170, 2171
Hirano, T. 2501
Hiremath, I. G. 1993
Hiremath, S. G. 1988
Hirose, S. 2521, 2522, 2893
Hlebarova, N. 3313
Hoag, B. K. 2853
Hoagland, R. E. 893, 1208, 3279
Hodges, C. F. 481, 1248, 3169
Hodgkin, S. E. 2556
Hodgson, D. W. 2624
Hodgson, E. 316
Hodgson, L. M. 3185
Hódosy, S. 1866
Hoefer, R. H. 958, 1521, 3094, 3548
Hoesle, U. M. 3220
Hoffer, B. L. 1239, 2292
Hoffman, D. J. 3323
Hoffman-Falk, H. 1200
Hoffman, G. 925
Hoffman, L. D. 3759, 3819
Hoffman, P. 4011
Hoffmann, J. H. 1861
Hofherr, L. 3037
Hofmann, K. 1061
Hofmeister, F. M. 1859
Hofstra, R. 825, 2158, 3217, 3218
Hogue, E. J. 652
Hohmann, C. L. 1478
Holcomb, G. E. 3979
Holden, I. 1198, 1900
Holechek, J. L. 1985
Holland, P. T. 3009
Holland, R. C. 776
Hollnagel, J. 3429
Holloway, J. D. 3267
Holmes, F. A. 4027
Holmes, J. E. 3886
Holmes, M. G. 3556
Holmes, R. L. 1324
Holmes, W. 2777
Holst, R. W. 3281
Holt, H. A. 349, 1711, 1720, 1745
Holt, J. S. 1805
Holtkamp, S. 1066, 2804
Honeycutt, R. C. 1931
Hong, J-U. 2307
Honjô, Y. 1074
Honorez, Y. P. 3634
Hons, F. M. 335
Hooda, I. S. 11
Hooghiemstra, H. 2155
Hook, B. J. 4010
Hooley, R. 3599
Hooper, D. J. 2939
Hopen, H. J. 3477
Hopkins, D. L. 1158
Hopkins, L. 3722
Hopkins, M. J. G. 2221
Hopkins, T. W. 1635
Hoppe, H. H. 1887, 1888, 3997
Hopwood, R. F. 125
Hoque, M. Z. 1433, 2163, 2374, 3791
Horber, E. 2201
Horellou, A. 3089
Horii, S. 4047
Höring, H. 2269
Horn, D. J. 2194
Horn, E. von 4101
Horng, L. C. 3776, 3801
Hornig, H. 1646
Horning, E. C. 4030
Horowitz, H. 3047
Horowitz, M. 801
Horsley, S. B. 2120
Horspool, G. D. 3262
Horton, R. F. 1417, 3207, 3598
Horváth, G. 894, 1508, 3632, 4021
Horváth, L. 3007
Horváth, M. M. 3029
Hoshina, T. 1074
Hosking, J. R. 1742, 1864
Hosmani, M. M. 1475, 1988, 1990, 1991, 1992, 2325, 2329, 2937
Hostettler, N. 1982
Hotzman, F. W. 890
Hoveland, C. S. 2869
Howard-Williams, C. 1429
Howe, G. L. 3753
Howe, O. W. 3564
Hoxworth, G. 3136, 4071
Hsalto, T. 1109
Hsiao, A. I. 2323
Huber, J. T. 2211
Huber, S. J. 345, 1955, 3052
Hübl, H. 1038

Hübner, B. 359
Hubrecht, J. M. 2839
Hudler, G. W. 1410
Hughes, J. A. 808
Hughes, K. W. 3284
Hull, P. 3214
Huls, D. 2782
Hulst, A. W. van der 2156
Humburg, N. E. 6, 13, 14, 39, 50, 84, 371, 457, 465, 482, 529, 746, 2682, 2759
Hummel, R. A. 934
Humphrey, W. A. 2432, 2433, 2434, 2435, 2437, 2438
Hunt, C. R. 3815
Hunt, G. M. 1880
Hunt, R. L. 521
Hunter, G. S. 648
Hunter, J. H. 3361
Hunter, M. 683
Huppatz, J. L. 2618, 2621
Hurduc, N. 1637
Hurka, H. 3899, 3900
Hurle, K. 1562, 1942, 2277, 2290, 4031
Hurst, H. R. 3143, 3420, 3439, 4042
Hurto, K. A. 115
Hurtt, W. 4006
Hussain, S. M. 850
Huston, C. H. 3803
Hutchinson, J. M. 2996
Hütter, R. 1242, 1560, 1923, 2300, 2301
Hutter, Y. 760
Hutzinger, O. 3669
Hyakutake, H. 2606
Hyde, T. M. 158
Hyde-Wyatt, B. H. 3370
Hylin, J. W. 633
Hynson, J. 684
Hynson, J. R. 683
Iadevaia, R. 4038
Ialongo, M. T. 2203
Ibaraki, K. 208
Ibenthal, W.-D. 1507
Ibrahim, A. M. 2385
Ibrahim, E. A. 886
Ibrahim, S. A. 1107
Ichimachi, T. 2534
Ichizen, N. 1272, 2012
Idiatulina, A. F. 3806
Ie, T. S. 988
Ifteni, L. 624
Ignatova, N. G. 616
Illangasekare, M. P. 3989
Ilnicki, R. D. 45, 76, 104, 3776, 3777, 3778, 3787, 3801, 3919, 3923
Il'nova, M. K. 1928
Imamaliev, A. I. 619
Imanaka, M. 2639
Imperial, E. M. 1020
Indhaphun, P. 1019
India, Indian Society of Weed Science 1988, 1989, 1990, 1991, 1992, 1993, 2325, 2326, 2327, 2328, 2329, 2330
India, Ministry of Agriculture, Department of Agricultural Research and Education 3237
Indian Society of Weed Science 1988, 1989, 1990, 2325, 2328, 2329, 2330
Indonesia, BIOTROP 978, 1849
Ingram, G. H. 418, 542
Inniss, W. E. 933, 1965
International Institute of Tropical Agriculture 2364, 2365, 2530, 2531, 2642, 2898
Ionescu, F. 2337
Ionin, P. F. 570, 682, 1577
Ipatov, L. F. 151
Irgashev, I.K. 2664
Irish, M. 1264
Irish Republic, An Foras Talúntais 2420, 2431, 2444, 3839, 3849, 3856
Irons, S. M. 1320, 3644, 3921
Iruthayaraj, M. R. 2917
Irvine, F. N. 2463
Irving, N. S. 2968
Ishak, M. M. 886
Ishida, T. 2639
Ishiguri, Y. 1763
Ishihara, N. 1103, 3542
Ishikawa, H. 3085
Ishikawa, K. 2253, 2254
Ishimine, Y. 3244
Ishizawa, K. 3542
Ishizuka, K. 2606, 2612
Islam, R. 1631
Islamov, S. S. 1246
Ismail, A. A. 118, 120, 769, 2106, 3485
Ismail, I. G. 700, 3366
Israel, Solarization Research Team 1344
Issaly, G. 2835
Iswaran, V. 1268
Itani, T. 2895
Ito, M. 2534, 3230
Ito, T. 554
Itoh, K. 2894
Ivanov, A. I. 459
Ivanova, E. P. 466, 757
Ivany, J. A. 703
Ivarson, K. C. 2304
Ivey, J. M. 312
Ivonis, I. Yu. 1928
Iwasaki, K. 2500
Iwata, I. 3584
Iyer, B. G. 2397
Izakov, F. Ya. 682
Izawa, T. 329
Izumi, K. 618
Jackai, L. E. N. 2573
Jackson, G. 2759
Jackson, H. R. 1585
Jackson, L. P. 1354
Jackson, M. J. 2975
Jackson, M. V. 53
Jacobson, A. 3623
Jacobson, B. R. 2711
Jacobson, R. A. 1912
Jacobson, S. 1264
Jacoby, P. W. 778, 3461
Jager, A. de 1426
Jager, J. C. 2176
Jäggi, W. 2312
Jagnow, G. 1565, 3685
Jagoda, M. 612
Jagschitz, J. A. 111, 509
Jahn, G. 217
Jai Prakash 1989
Jain, H. C. 2397
Jain, N. K. 2397
Jain, S. C. 2397
Jalota, S. K. 1428
James, L. F. 3526
James, R. M. 2441
James, T. K. 2785, 2816
Jameson, D. A. 66
Jamet, P. 2298
Jami, T. 2805
Jan, P. 2334, 2361, 3062
Jana, S. 3216, 3256
Janardhan Reddy, B. 1989
Janas, K. M. 1892
Janauer, G. A. 3546
Janawade, A. D. 2329
Janiya, J. D. 3408, 3767
Janković, R. 3494
Jansen, G. E. 1334, 1978
Januszanis, M. 1922
Japan, Okayama University 549
Japan, Society of Agricultural Chemistry Industry 688
Jarczyk, H. J. 3050
Jarman, R. 930
Jaruzelski, M. 479
Jarvis, R. H. 795
Jaszowski, R. 3509
Jauhri, K. S. 1268
Jaumin, L. 2626
Jauzein, P. 2890, 2931
Jaworski, C. A. 2077
Jaworski, E. G. 1881, 1882
Jaworski, G. H. M. 182
Jayachandra 1401
Jayanty, R. K. M. 2628
Jayaraj, S. 2586
Jayaraman, K. 1367
Jayaraman, K. S. 2677
Jeffers, W. F. 71
Jeffery, L. S. 31, 1633
Jenkinson, R. C. 1636
Jennéus, B. 430
Jensen, D. J. 934, 3009
Jensen, K. I. N. 117, 768, 2653, 2795, 2815, 3112, 3170
Jentsch, J. 3870
Jernlås, R. 653
Jersey, J. A. 4040
Jessep, C. T. 1842
Jeune, B. le 373
Jha, P. K. 2866
Jobidon, R. 3931
Joedodibroto, R. 981
Johanningmeier, U. 259
Johansson, T. 3879
Johnson, A. W. 2077
Johnson, B. J. 101, 766, 1068, 1069, 2104, 3167, 3480, 3481, 3851
Johnson, G. R. 2961
Johnson, I. 2852
Johnson, M. 4098
Johnson, R. D. 931, 932
Johnson, R. R. 2031, 3394
Johnson, R. W. 1726
Johnston, F. P. 1648
Johnston, G. 717
Johnston, T. D. 2070
Jolley, E. R. 2750
Jones, A. G. 762, 1346
Jones, A. L. 2318
Jones, A. M. 415
Jones, E. 3406
Jones, J. B. 1157
Jones, J. F. 1493
Jones, R. A. C. 2939
Jones, R. E. 3215
Jones, R. G. 1313, 1391, 1716
Jones, V. E. 749, 834, 3825, 3826
Jooste, J. van der W. 828, 3396
Jordan, C. M. 3539
Jordan, G. L. 723, 725, 1575
Jordan, J. L. 1430, 2142, 2587, 2824, 3196, 3197, 3539
Jordan, L. S. 2450, 2824, 3196, 3917
Jordan, T. N. 1785
Jordan, W. R. 860
Joshi, C. C. 599
Joshi, H. A. 1445
Joshi, N. C. 1993
Joshi, R. D. 2189
Joubert, F. J. 3549
Jousseaume, C. 494
Jover, E. M. 3757
Jowett, G. H. 3238
Joy, P. J. 2330, 2979
Juan, N. C. San 700
Jukes, A. M. 744
Julien, M. H. 1838, 1854, 1855, 2944, 3273
Jung, K. 1495
Jung, K. U. 1376
Jung, S. J. 2093, 3122
Junghans, P. 1495
Jüttersonke, B. 194
Kabachnik, M. I. 3365
Kabat, C. 533
Kadaba, P. K. 3655
Ka'i'lidis, D. 1373
Kairon, M. S. 2330
Kak"m"kova, P. 2380, 2422, 2424, 2425
Kalantarov, A. A. 390
Kaldor, J. 2802
Kalibernaya, Z. V. 249
Kalidas, D. 2955
Kalinin, F. L. 622
Kalyan Singh 1988
Kamal, M. A. 615
Kamara, C. S. 2755
Kamau, P. C. 1582
Kambitsch, D. L. 3941
Kamboj, R. K. 2688, 3004
Kamel, S. H. 1227
Kameneva, E. A. 480
Kamilov, G. K. 3884
Kaminsky, R. 1188
Kamoshita, K. 2620
Kamp, H. A. 2103
Kampschulte, U. 1528
Kan, G. Y. P. 1919, 3657
Kanazawa, H. 618
Kanazawa, J. 644, 3035
Kanchan, S. D. 1993
Kane, E. 587
Kaneko, S. 4047
Kang, J. C. 1436
Kang, K. Y. 1958
Kang, P. S. 203
Kang, S. Y. 1538
Kaniansky, D. 2251
Kannaiyan, S. 720
Kanygin, Yu. I. 480
Kao, P. C. 3702
Kao, T. C. 2308, 2309, 3689, 4085
Kao, W. S. 1984
Kapeljužni, A. 1581
Kaplansky, M. 3361
Kaplin, V. T. 290
Kaplowitz, L. G. 1229
Kapoor, B. M. 1761
Kapoor, P. 563, 823
Kapoor, V. C. 2210
Kapusta, G. 727, 745, 1043, 1324, 1339, 2028, 2054, 3281, 3422
Karaivanov, S. 3495
Karakolev, A. 2109
Karakoliev, A. 2109, 2446
Karasu, H. 2341
Karch, K. 1790, 2129, 2133
Karczmarczyk, S. J. 895, 4009
Kardjieva, L. 3313
Kariamo, Kh. S. D. 1300
Karim, A. N. M. R. 2195
Karl, R. 2984
Károly, G. 282
Karpenko, A. P. 437
Karpiscak, M. M. 221
Karr, G. W. 2921
Karssen, C. M. 184
Karunagaran, D. 4018
Karve, A. D. 2329
Kasa, M. 2059, 2060, 2341, 2343, 2349, 2396, 2426, 2449
Kasasian, L. 1784
Kasno 700, 874, 983, 1171, 1850, 3366
Kaspirova, T. A. 3365
Kassebeer, H. 2738
Kastour, S. 3476
Katan, J. 1509
Kataoka, T. 2515, 3193
Kataria, O. P. 1007
Kates, A. H. 805
Kato, H. 352
Katz, E. R. 1568
Kausch, A. P. 3908
Kavlock, R. J. 3666
Kavolyunaïte, I. A. 4061
Kawashima, C. 2501
Kay, S. H. 1823, 3552
Kazmi, S. M. 3081
Kazmi, S. N. 3081
Kearney, P. C. 1221, 1519, 1543, 1940
Keeley, P. 1775
Keeley, P. E. 997, 3910
Keeling, J. W. 3103
Keil, R. L. 1187
Kelcey, J. G. 160
Keleg, A. M. 3413
Keller, A. E. 2305
Kelley, A. D. 1085
Kelley, D. E. 1031
Kelley, W. D. 3508
Kelly, J. C. 2431, 3849
Kelsall, J. D. 219
Kemmer, A. 1942
Kemp, A. 2852
Kemp, D. R. 2526, 2896
Kempen, H. M. 2332, 3894
Kempny, J. 1218
Kendrick, R. E. 1404
Kennard, C. H. L. 1913

Kenndler, E. 2251
Kenneally, K. F. 1851
Kennedy, A. 3126
Kennedy, D. A. 2249
Kennedy, R. A. 1398, 2485, 3898
Kenny, D. S. 2949
Kenya, Coffee Research Foundation 1704
Keogh, W. J. 1844
Kern, C. L. 1293
Kerpen, W. 3049
Kerr, H. D. 2711
Kerr, H. W. T. 3074
Kerr, L. A. 1920
Kerr, R. M. 767, 2856
Kersaintgilly, P. de 2694
Kersting, E. 1005
Ketchersid, M. L. 334, 3294
Kettrup, A. 1528
Keul, M. 2113
Keya, N. C. O. 134
Khachatryan, A. R. 1026
Khalaf, K. A. H. A. 2936
Khalifa, M. A. S. 2385
Khalifa, M. H. 1630
Khalil, A. I. 886
Khalil, M. H. 2089
Khalmatov, N. M. 524
Khan, A. A. 184
Khan, A. G. 3968
Khan, S. U. 652, 1357, 1358, 1920, 2304, 2611, 3340
Khanvilkar, S. A. 1993
Khanymova, T. 3693
Kharitonova, A. P. 641
Kharitonova, V. K. 3020
Khasandzhanov, K. A. 3365
Khedir, K. D. 1755
Khedkear, P. K. 2328
Khilik, L. A. 742
Khodayari, K. 3746
Khodeeva, L. V. 268
Khodortsov, I. R. 3771
Khodzhaev, O.F. 2664
Khokhlina, E. V. 1928
Khorshid, A. M. 2010
Khosla, M. K. 1501
Khosla, S. N. 608, 1392, 1501, 1504, 1678, 1891
Khristov, S. 2422, 2424
Khubutiya, R. A. 390
Khurramov, Sh. Kh. 235
Khuspe, V. S. 2330
Khuzhakulov, Kh. D. 3365
Khybri, M. L. 1989
Kiara, J. M. 1704
Kidd, B. R. 4014
Kieffer, N. 3487
Kihlstrand, G. 3743
Kikushima T., J. 3454
Kilambi, R. V. 169, 794, 1732
Kilen, T. C. 3789
Kilgore, W. W. 319
Kilgour, D. W. 1464
Killilea, D. M. 2123, 2124, 2125
Killmer, J. 3646
Kilpi, S. 330
Kilumba, N. 1
Kim, C. H. 1436
Kim, C. J. 4054
Kim, J. K. 2377
Kim, K. C. 1556
Kim, S. C. 1118, 1771, 2377
Kim, Y. H. 1538
Kim, Y. J. 1315
Kim, Y. R. 1436
Kimball, E. R. 2653
Kimbel, J. C. 1415
Kimsanbaev, Kh. Kh. 619
Kinard, H. C. 3141, 3353, 3417
King, J. M. 24, 81
King, J. W. 2130
King, W. 4095
Kingsolver, C. H. 873
Kirby, C. 2244
Kirby, D. R. 1054
Kirilenko, N. S. 1086
Kirino, O. 2245
Kirkham, F. W. 743, 2405, 3447
Kirkland, K. J. 3384, 3433, 3440, 3441, 3442
Kirkland, R. L. 1877
Kirkwood, R. C. 172, 620, 4025
Kiseleva, N. I. 926
Kislushko, P. M. 926
Kiss, E. 1665
Kiss, J. 3029
Kissinger, P. T. 4030
Kitchen, L. M. 153, 1206, 1209
Kitching, R. L. 3215
Kivilaan, A. 2495
Kiyatkin, K. 1041
Klaine, S. J. 813
Klassen, W. 2954
Klein, W. 928, 4063
Klerk, G. J. de 3534
Klerk, R. A. 3985
Kleudgen, H. K. 907
Klevorn, T. B. 836, 1973, 2482
Kliger, L. 1241
Klimov, R. N. 151
Kline, J. 935
Klingauf, F. 2680
Klingspor, P. 653
Klisenko, M. A. 926
Kloot, P. M. 2551, 3242, 3572
Knaak, J. B. 322
Knake, E. L. 2751
Knapp, R. 565
Knausz, D. 3007
Knežević, M. 1115
Knoke, J. K. 1153
Knott, C. M. 24, 81
Knowles, C. O. 1947
Knudtsen, O. A. 1343
Knutson, D. M. 232, 3602
Knuuttila, H. 276
Knuuttila, P. 276
Knypl, J. S. 1502
Knyr, L. L. 289
Kobayashi, H. 555, 2525
Kobayashi, K. 2606
Kobayashi, M. 2523
Koberstein, S. 3662
Koch, B. L. 4065
Koch, D. W. 2412
Kocher, C. W. 934
Köcher, H. 2617
Koda, S. 807, 2484
Kodrich, W. R. 3182
Koehler, C. B. 3421
Koeppe, M. K. 3333
Kogon, V. Yu 657
Kohli, R. K. 1762, 1809
Kohn, G. K. 285
Kohout, V. 806, 2486, 2598
Kohsiek, H. 963, 2666, 3354
Koichev, T. 1044
Kojić, M. 1096
Kok, A. de 1531
Kok, L. T. 238, 1841, 2961, 3613
Kolandaiswamy, S. 1309
Kolar, J. S. 22, 203, 2160
Kolbe, A. 3637
Kolbe, W. 3389
Kolesnikov, V. A. 495, 752
Kolesnikova, Z. A. 569
Kolhe, R. L. 2230
Kolhe, S. S. 2376
Koljasa, A. 1140
Kolk, H. 2478
Kolmakov, P. P. 406
Kolotilo, M. V. 3020
Kolpytina, S. B. 742
Koltypina, S. B. 742
Komarov, A. M. 734
Komarova, R. S. 1011
Komatsu, H. 3542, 3904
Komeil, A. A. 2385
Kömives, T. 332, 902, 921
Kommedahl, T. 1221
Kona, G. R. S. S. 1016, 2328
Koncal, J. J. 1350, 3352
Konda, S. R. 3519
Kondap, S. M. 1989, 1991, 2325, 2328, 3078
Kondarev, R. 1676, 2428
Kondratenko, V. I. 1246
Kondrat'ev, Yu. A. 914
Konnai, M. 1272
Koonce, A. L. 2122
Kopecký, K. 1799
Kopp, S. 3870
Korchagina, V. A. 468
Korea, Ministry of Agriculture and Fisheries, Office of Rural Development 2456, 2546
Korfmacher, W. A. 2259
Korhola, M. 330
Korkut, I. 2059, 2060, 2341, 2342, 2343, 2349, 2396, 2426, 2449
Kornatskaya, N. M. 1356
Kornatskii, A. P. 1356
Korte, F. 1218, 4032, 4063
Korzun, B. V. 1075
Koskinen, W. C. 3330
Kosovac, Z. 1789
Kostadinova, P. 1559
Kostalkowska, H. 1525
Koster, A. T. J. 97
Kostowska, B. 929, 1035, 1532
Kostrikina, L. M. 926
Kotarski, A. 1525
Kotasthane, S. R. 2924
Koterba, M. T. 3018
Kotikova, S. A. 3812
Kotoky, B. 1705, 2325, 3866
Kotoly, B. 2329
Kotrba, L. 3933
Kotzias, D. 1218
Koukkari, W. L. 230
Kováč, J. 284
Kovačević, J. 1115, 1411
Kovachev, V. 83
Kovács, B. 3578
Kovalev, O. V. 3610
Kowbel, D. J. 1937
Koyama, K. 554
Koyama, N. 208
Kôzai, S. 1074
Kozarev, G. 2353
Kozina, E. I. 3747
Krapfenbauer, A. 3955
Krasnovidov, A. N. 149, 2121
Krasnykh, A. A. 926
Kratochvil, B. 3015
Kraupe, A. 2885
Kraus, R. 43, 1963
Krausse, D. 1070
Kravets, M. G. 477
Kravtosova, T. I. 1149
Krédl, F. 3324
Krejčíř, J. 1133, 2144, 2145
Krekule, J. 1809
Krieger, K. A. 3316
Krieger, R. I. 2958
Krishna Murthy, K. A. 1989
Krishna Rao, D. S. 1267
Krishnamurthy, G. V. G. 2872
Krishnamurthy, K. 1988, 2325
Krishnamurty, K. A. 2328
Krishnamurty, T. 476
Krishnegowda, K. T. 1991
Kristensen, H. 400, 1273, 1593, 3368
Kriz, C. 990
Krnjaić, D. 1261
Kröchert, R. 2704
Kroetz, M. E. 1635
Król, H. 2609
Kroop, S. 1264
Krueger, R. R. 3538
Krull, I. S. 925
Krumrey, G. 3449
Krumzdorov, A. M. 715
Krzakowa, M. 2885
Książek, D. 233, 1820
Kubeček, F. 428
Kubel, D. 3662
Kubetin, W. R. 1111
Kubinec, S. 2410
Kubjatko, F. 2913, 2914, 2918
Kučera, M. 2640
Kudaïkina, I. V. 253, 606
Kudlicka, K. 2933
Kuehl, D. W. 3308
Kugimoto, M. 692
Kugrens, P. 2576
Kuhlmann, F. 1217
Kuhns, L. 99, 764
Kuijt, J. 864, 1810, 3258, 3259, 3260
Kulandaivelu, G. 897
Kulandaivelu, R. 1991, 2325
Kulasegaram, S. 2453
Kuldeep Singh 1678, 1891
Kulikova, N. T. 1644
Kulintsova, E. V. 292, 926, 3312
Külling, P. 3966
Kul'pina, N. V. 436
Kulshrestha, G. 1327, 2325, 2327, 2328, 2329, 3318
Kumar, H. D. 1578
Kumar, R. 3629
Kumar, S. 728, 2388, 2586
Kumar, V. 1007
Kumarachinnayan, P. 897
Kunert, K. J. 260, 1192, 2622
Kunii, H. 1412
Kunkel, G. 2066
Kuntohartono, T. 135
Kunze, D. 1328
Kupatt, C. 104, 3777, 3787
Kuraś, M. 2933
Kurçman, M. 2112, 2345, 2346, 2411, 2426, 3862, 3863
Kurdikeri, C. B. 1989, 2325
Kurdyukov, V. V. 643
Kurhan, N. 2112, 2346, 3863
Kurinnyi, A. I. 1935
Kurlekar, V. G. 2330
Kurtz, M. E. 3345, 3404
Kusanagi, T. 1757, 2894
Kushwaha, S. P. S. 1802
Kustyanti, T. 3366
Kustyanti, Y. 700
Kusuyama, K. 1103
Kutuzov, G. P. 480
Kutzner, H. 2133
Kuzmanov, N. 1559
Kuz'mina, I. V. 4091
Kuz'minskaya, V. A. 1512
Kuznetsov, A. V. 466
Kużniewski, E. 1797
Kvidrin, L. B. 657
Kwolek, A. V. A. 3202
Kyalina, L. V. 1928
Kyndt, C. F. A. 418, 542
La Harpe, A. C. de 593
La O, F. 3864
Laanio, T. L. 2995
Laasch, H. 3633
Labios, R. V. 3758
Labit, B. 2783, 3301
Labrada, R. 73, 210, 3568, 3840, 3843
Labrada R., R. 3907
Laca-Buendia, J. P. del C. 3209
Lacbao, P. L. 3757
LaCombe, D. M. 1927
Lacsina, R. Q. 3
Ladewig, J. H. 560
Ladonin, V. F. 881, 1788, 3752
Lagoke, S. T. O. 439, 440, 455, 471, 729, 2387, 3399
Laird, S. 3255
Laitnerová, N. 2640
Lake, J. R. 355
Lakshmanan, K. K. 2561
Lal, R. 2872
Lal, T. B. 2315
Lalić, R. 1142
Lall, M. 1993, 2909
Lamb, R. C. 1251
Lambers, H. 825, 2158, 3217, 3218
Lambert, M. G. 3179
Lambert, R. 4012
Lambert, T. C. 1337
Lamp, W. O. 2150, 2577, 3266, 3614
Lamprecht, M. P. 2402
Landers, D. H. 199
Landgraf, B. K. 3890
Landgraf, F. A. 2941
Landi, P. 1620
Landro, E. D. 1028

Landry, J. 2152
Lane, D. 2507
Lang, T. T. 2290
Lange, D. 3778
Lange, K. 1371
Lange, L. de 1400, 1760
Lange, P. W. 3511
Langelüddeke, P. 1070, 2738
Langhorst, M. L. 295
Langston, M. A. 3261
Langston, V. B. 3116, 3141, 3353, 3417, 3438
Lannao, E. C. 3791
Lanting, L. 825, 2158, 3217, 3218
Lantos, J. 281, 282
Lanz, W. 1374
Lanza, M. R. 1062
Lanzelotti, J. J. 126, 2448
Lapina, T. V. 268, 4004
Läpple, G. 3649
Lara, J. F. R. 2793
Large, J. W. 796
Larher, F. 1814
Larqué-Saavedra, A. 1441
Larson, J. R. 2146
Lartaud, G. 2722, 2763, 3146
Laskay, G. 2998
Lassen, C. 1494
Last, F. T. 2939
Latigo, G. V. 2788
Latypova, R. M. 3772
Lauer, R. 3671
Laufersweiler, H. 1038
Laumonier-Witjaksana, E. K. 3366
Laundon, G. F. 2218
Lauridson, T. C. 1969
Laursen, F. 817
Lavake, D. E. 1390, 3239
Lavers, A. 3055
Lavy, T. L. 1240, 1933, 3109
Law, R. 2928
Lawley, R. A. 1467
Lawrence, J. F. 291, 636
Lawson, H. M. 1138, 1589, 2149, 3431, 3482, 3484
Lawton, J. H. 2976, 2977
Lazăr-Keul, G. 2113
Lazarev, A. M. 437
Lăzăroiu, A. 3488
Lazauskas, P. M. 558
Lazenby, A. 2404
Le Bon, Y. 3497, 3501
Le Court de Billot, M. R. 3549
Leach, C. K. 1252
Leafe, F. E. 328
Leakey, R. R. B. 2148
Leard, R. E. 4059
Leasure, J. K. 1231, 1319
Leather, G. R. 3998
Leavitt, J. R. C. 712, 924, 955
Leavitt, R. C. 1953
Lebedeva, G. F. 339, 3694
Leblová, S. 3630
Lechien, A. 2256, 2627
Ledovskaya, G. P. 90
Lee, B. 1481
Lee, C. Y. 3122
Lee, D. K. 1692
Lee, G. A. 2413, 3889, 3941, 4097
Lee, H. K. 1413
Lee, I. D. 3824
Lee, J. K. 331, 336, 1556
Lee, J. S. 1435
Lee, K. A. 1370
Lee, S. K. 2377
Lee, S. R. 1538
Lee, T. T. 896, 3297, 3647
Lee, W. O. 1048
Leedale, G. F. 182
Leela, D. 2252, 2985, 3728
Lees, A. C. 2242
Leeuwen, B. H. van 185
Legay, J.-M. 2878
Legner, E. F. 2128
Leguizamón, E. A. 2470
Leguizamón, E. S. 1128, 2477
Lehoczki, E. 2998
Leiderman, L. 49
Leihner, D. E. 3432
Leino, P. W. 3797
Leitão, H. F. 2542
Lekova, K. 3313
Lemerle, D. 2705, 2706
Leng, M. L. 327, 3009
Lenkei, L. 3576
Leon, J. M. 356
Leonard, K. J. 3980
Leong, P. C. 3160
Leoni, V. 3674, 3715
Leopold, D. J. 3594
Leotta, L. 1101
Lepine, J. C. 3490, 3493
Lepos, A. 539
Leroux, G. D. 1655, 2072, 2075
Leroux, P. 350
Leterrier, J. L. 2708, 3159
Levey, G. 1916
Levin, H. D. 720
Levinson, S. O. 2206
Levitt, G. 1276
Levitt, J. 837
Levy, T. L. 3038
Lewis, J. 2070
Lewis, Q. L. 532
Lexander, K. 197
Lhérault, P. 771
Li, S.-W. 2654
Li, S. Y. 1738
Li, Z. M. 1940
Liberia, West Africa Rice Development Association 3105, 3106, 3402, 3586
Libershteĭn, I. I. 694, 4076
Lichte, H.-F. 1088
Lichtenstein, E. P. 3333
Lichtenthaler, H. K. 1906, 1907, 2238, 3296
Lichtner, F. T. 3697
Liedle, B. 3466
Lijauco, E. B. 2769
Likhovidova, T. P. 290
Lillie, T. H. 2641, 4055
Lim, H. H. 1370
Linden, G. 1211
Lindert, H. J. A. van 1121
Lindner, B. 1450
Lindow, S. E. 1177
Lindsay, T. 3466
Lindwall, C. W. 1279
Line, R. F. 1167
Linnikova, V. A. 1529
Linscott, D. L. 3737
Lisboa, G. 2175
Lish, J. M. 1205
Lisk, D. J. 2623
Lisker, N. 1509
Littlefield, J. L. 1845
Litvinenko, Yu V. 434
Liu, K. J. 1915
Liu, L.-C. 2115
Livingston, C. W. Jr. 580
Livingston, J. M. 2641
Livingstone, D. B. 1277
Lo Giudice, V. 772
Loats, K. V. 3600
Lockerman, R. H. 3815
Lockhart, W. L. 1244
Lockwood, D. W. 1359
Loenhoud, P. J. van 1468
Loerakker, W. M. 2218
Logan T. J. 1220
Lohaus, E. 2984
Løkke, H. 640
Lomte, M. H. 2371
Long, C. 2317
Long, C. E. 1351
Long, J. W. 1323
Longbottom, J. E. 3013, 3024, 3026, 3027, 3306
Longden, P. 4098
Longden, P. C. 41
Lonne, J. 3068
Lopes, J. 2703
López, F. A. 3768
López G., J. de D. 1243
López, H. 3699
López, J. 3944
López, J. A. 1042
López, L. M. 1623
López, M. J. 3432
López, R. L. 1462
López Tejo, G. F. 2668
Lord, E. 3953
Lord, E. M. 3555
Lord, K. A. 3342, 3704
Lorenzi, H. 192
Lores, E. M. 321
Lorgue, G. 1228
Lörincz, P. 709
Losada C., E. 2716
Losel, D. M. 1878
Lotti, G. 2566
Loubser, J. W. 3369
Loucks, O. L. 164
Loudová, H. 2486
Louie, R. 1153
Lovato, A. 2474
Lovell, P. 811
Lovett, J. V. 837
Lowday, J. E. 3154
Lowder, S. W. 4079
Lowe, B. A. 178
Lowry, S. R. 4030
Löyttyniemi, K. 2971
Lozanovski, R. 1141
Lozovatskaya, M. A. 736
Lubigan, R. T. 21
Luckhurst, R. J. 675
Ludwig, P. 2366
Luellen, W. R. 3188
Lueschen, W. E. 2669, 2729, 2745, 2748, 3117
Lugo, A. E. 587
Lukach, J. R. 2853
Luk'yanchikov, V. P. 3365
Lumpkin, T. A. 2135
Lund-Høie, K. 148, 1715
Lundgren, G. K. 580
Lundgren, L. 917
Lunev, M. I. 1257
Lunsford, J. N. 3788
Lupton, F. G. H. 3387
Lusby, W. R. 1210, 1519
Luscombe, B. M. 2294, 3372
Luthra, V. K. 2313
Lutman, P. 3799
Lutman, P. J. W. 2351
Lutomski, J. 1541
Luz López B., C. 487
L'vov, P. N. 151
L'vova, T. S. 1935
Lyatuu, H. A. 1629, 2717
Lym, R. G. 3818
Lynch, A. A. 1219
Lynch, J. M. 564, 1443, 1782, 3645
Lyon, A. J. E. 344, 354, 2613, 2658
Lyon, D. H. 303
Lysenko, A. K. 392
Lyubenov, Ya. 1606
M., G. D. 2101
Maag, K. 3300
Maas, G. 610, 870
Mabbayad, B. B. 1623
Maberly, S. C. 2564
McAllister, R. S. 910, 958, 1521
Macarez, R. 2695
McArthur, E. D. 1420
McAuliffe, D. 2655, 4096
McAvoy, T. J. 2961
McBride, J. R. 3322
McCaffrey, R. P. 3672
MacCarter, L. E. 2844
McCarter, S. M. 1157
McCarty, M. K. 1421, 1759, 2150, 2577, 3266, 3614
McCauley, D. E. 2957
McClay, A. S. 1867, 2974, 3972
McClelland, M. 4
McCormack, J. 805
McCracken, D. A. 1499
McCreath, J. B. 387
McCue, A. S. 3892
McCutchen, T. 31, 1633
McDaniel, C. N. 4003
McDonald, J. G. 3606
McDonald, R. C. 3358, 3721
McDonnell, D. 2272
McDowell, C. R. 2178
Maceina, M. J. 1733
McFadyen, P. J. 1829, 2960
McFadyen, R. E. 1856, 2197, 2969, 2974
MacGarvin, M. 2964
McGinty, P. S. 2321
McGuire, J. A. 2744, 2750
McGuire, T. A. 1572
Machado, C. 2760, 2762
Machado R., R. 4044
Machado, S. R. 250
Machado, V. S. 898, 3643
McIntire, W. S. 3138
McIntosh, L. 3295
McIntosh, R. 2459
McIntosh, R. M. 620
Mack, R. N. 585, 1143, 3924
McKelvey, R. 1973
McKenzie, D. N. 1414
Mackie, W. B. C. 2360
Macková, M. 2640
McLamb, J. 3666
McLaughlin, B. D. 1084
MacLeod, A. 228
McLeod, H. A. 636
MacNab, A. A. 1155
McNally, S. F. 3604
McNamara, D. G. 2939
MacNeil, J. D. 3009
McNeil, W. K. 2707
McNeill, J. 3213
McNeill, L. 2123, 2124, 2125
McNeilly, T. 1437
McNevin, G. R. 716, 1386, 2386, 2719, 3769
McPherson, B. R. 878
McQuinn, D. J. 2350
McReynolds, K. M. 1094
Macri, F. 621
MacTaggart, J. M. 3278
MacTavish, D. C. 293, 3309, 3339
McWhorter, C. G. 900, 3976
Madazo, I. P. 818
Madden, L. V. 1153
Maddox, D. M. 1876, 2876, 2963
Madeira, J. M. 2503, 2527, 2541, 2800
Madge, R. 3128
Madge, W. R. 1036
Madkar, O. R. 3366
Maftoun, M. 3641
Magnani, G. 1681, 2098
Magsino, G. L. 3163
Magu, S. P. 3692
Mah, F. T. S. 1919, 3657
Mahadevan, S. 3605
Mahajan, U. B. 2328
Mahall, B. E. 2157
Mahatim Singh 1988
Maher, E. P. 1184
Maheshwari, J. K. 846
Maheshwari, R. 3605
Mahle, N. H. 934
Mahmood, K. 1819
Mahoney, J. E. 2756, 3386
Maier-Bode, H. 274
Maillet, J. 214, 1110
Mainland, C. M. 3590
Maitlen, J. C. 1543, 3668
Majumder, S. K. 1583
Makarov, M. 83
Makeev, A. M. 253, 288, 606
Makepeace, R. J. 685, 994
Maksimova, L. P. 52
Małachowski, A. 754
Malan, C. 1017, 3391, 3760
Malan, D. E. 1053, 1862, 3525
Malbrunot, P. 2683
Malefyt, T. 254, 4019
Mali, V. R. 2325
Malik, D. S. 11, 3172
Malik, R. K. 2325, 2330, 2688
Malkomes, H.-P. 947, 948, 950, 953, 954, 1966, 2007, 2286, 2644, 4082, 4088
Mall, L. P. 2326
Malla, Y. K. 2210
Mallet, V. N. 4030
Mallick, K. M. 2326
Mallik, M. A. B. 940
Malloch, A. J. C. 3902
Maltby, C. 384
Maluf, E. 2091

Malyutin, P. P. 458
Mamarot, J. 756
Mandys, Z. 2598
Manenti, S. 3385
Mangoensoekarjo 700
Mangoensoekarjo, S. 700, 773, 2455, 3366, 3709, 3710
Mani, V. S. 1327, 1451, 1988, 1992, 1993, 2325, 2326, 2327, 2328, 2329, 2687, 3318
Maniara, G. 2262
Manissery, J. K. 1267, 2330
Mann, H. 2442
Manna, G. B. 3405
Mannapur, B. C. 1991
Manoharan, T. H. 4018
Mansager, E. R. 617, 2990, 4066
Mansjoer Mukhlis 1077
Manske, D. D. 931, 932
Mantai, K. E. 3251
Mantle, P. G. 2939
Manuel, J. S. 21
Maradei, D. 1710
Maréchal, J. 2831, 2836, 2837, 2840, 2841, 2842
Maree, H. B. 3719
Mărgineanu, T. 3152
Marinis, G. de 539
Markalas, S. 1373
Markelov, G. A. 3365
Marley, J. M. 1047
Marley, J. M. T. 658
Marlow, H. 69, 2058, 2078, 2086
Marose, B. H. 4118
Marquis, L. Y. 1085, 3044
Marriage, P. B. 2611
Marrs, R. H. 3154
Marsden, P. J. 1226
Marsh, J. A. P. 952
Marsh, L. C. 3908
Marshall, D. F. 2517
Marshall, D. R. 1483, 1824, 1827, 2513
Marshall, E. J. P. 583
Marshall, R. J. 3397
Marsico, O. J. 3210
Marsili, R. C. A. 126, 2448
Martin, A. R. 1294, 1337, 1616, 2577, 2669, 2729, 2745, 2748, 2987, 3041, 3393, 3679
Martin, D. J. 173
Martin, D. K. 2939
Martin, J. P. 4062
Martin, J. R. 2747, 3416
Martin, R. 2683, 3523
Martin, R. A. 1893
Martin, R. J. 2493
Martindale, S. J. B. 1184
Martínez, J. 1335, 3464
Martínez, O. 3905
Martins, J. M. 2849
Márton, A. F. 332, 920
Marty, J-R. 2169
Marty, M. A. 2958
Martynov, A. N. 149, 667, 2121
Marucchini, C. 4064, 4077
Marzocca, A. 3210
Mascarenhas, M. H. T. 2793, 2794
Mas'ko, A. A. 4084
Maslinkov, M. 485, 1340
Mason, G. 2473
Mason, J. W. 342
Massalski, A. 1517
Massenot, D. 2276
Masson, K. 259
Mast, W. E. 2439, 2440
Mathew, P. A. 1991
Mathews, B. L. 2634, 2635, 2646, 2651
Mathias, J. K. 102, 508
Mathur, S. N. 607, 609
Matsumoto, H. 2245, 2612
Matsunaga, K. 2639
Matsunaka, S. 2484, 2993
Matsuo, K. 2515, 3193
Matsushita, Y. 3230
Matthews, E. J. 4094
Matthews, G. A. 670, 3348
Matthews, K. 3127
Matthews, N. J. 2939
Matthies, H. 2063
Mattice, J. D. 1933, 3038
Mattoo, A. K. 1200
Matushkin, S. I. 461, 3365
Matveev, B. A. 682, 1577
Matveev, Yu. M. 659
Matyukha, L. A. 434
Maughan, G. 3241
Maule, A. 4013
Maurer, W. 3300
Maurice, D. 826
Mauritius, Sugar Industry Research Institute 2452
May, M. 3129
May, M. J. 470, 1036
Maycock, P. F. 855
Mayer, H. G. 2127
Mayeux, H. S. 64, 860, 1101, 3462
Mayfield, C. I. 933, 1965
Maynadier, M. 2361
Maynadier, M. H. 2694
Meade, J. A. 3887
Meadors, C. H. 778
Meakin, A. R. 1378
Mears, A. D. 2929
Medd, R. W. 2526, 2886, 2896, 2922
Medel, J. M. 210
Medgyesi, I. 255
Medina, F. R. 2322
Medina, L. 1769
Meeklah, F. A. 2464
Meggitt, W. F. 2241, 3289, 3298, 3912
Megia, R. 3366
Mehra, S. P. 1024, 2357, 2897
Mehta, H. M. 2325
Meier, D. 1906, 1907, 2238, 3296
Meier, J. 923
Meissner, R. 427, 503, 510, 511, 513, 3443
Mejstřík, V. 3690
Melachrinos, A. 1751
Melachrinos, F. 1751
Melching, J. S. 873
Melekhov, E. I. 884, 887, 1181, 2226
Melichar, M. W. 1082
Mellis, J. M. 4015
Mel'nikov, N. N. 627, 969, 3365
Meloni, M. 3010
Melville, D. R. 3100, 3102, 3116, 3120, 3121, 3137, 3141, 3353, 3417, 3438
Menck, B. H. 738, 1004
Méndez G., R. 3945
Méndez P., R. 2008
Mendoza, N. S. 2779
Meneses P., E. 3939, 3943
Meneses P., E. F. 3804
Menezes, E. M. de 859
Menges, R. M. 95, 181, 2532
Menn, W. 107
Mensink, J. A. 3670
Meola, S. M. 860
Mercado, B. L. 21, 37, 205, 699, 1018, 1093, 3914
Mercado, G. L. 1025
Merezhinskiĭ, Yu. G. 268, 4004
Merian, E. 3669
Merkle, M. G. 334, 2730, 3294
Merlier, A. 3133
Messersmith, C. G. 1205, 2069, 3075, 3818
Messier, B. B. 89
Meszticzky, A. 3007
Metcalf, P. 2638
Metwally, A. M. 3475, 3476
Meyer, E. 123, 3487
Meyer, M. K. P. S. 2967
Meyer, R. E. 63, 860, 3681, 3880
Michael, P. W. 856
Michel, J. G. 3303
Michel, R. 1936
Michimani, J. 1669
Michrina, C. 4008
Miglietta, F. 386, 2714
Miguel, L. de 1100
Mikityuk, O. D. 253
Miklós, D. 1289, 1290
Mikulka, J. 2132
Milashchenko, N. Z. 389, 682
Miles, N. 1688
Miles, W. 2258
Miley, W. W. 793
Milham, P. J. 719, 2802
Milijić, S. 1284
Miller, G. R. 1015
Miller, H. L. 1176
Miller, J. F. 805
Miller, J. H. 997, 3523, 3808
Miller, O. K. 3284
Miller, P. M. 1161
Miller, R. L. 3815
Miller, S. D. 832, 1006, 1134, 1285, 1286, 1395, 1396, 2352, 2483, 2519, 2853, 3086, 3093, 3148, 3149
Miller, T. C. 2013, 2014, 2015
Miller, T. L. 3941
Miller, T. W., Jr. 872
Mills, K. 925
Mills, T. 4122
Milosavljević, Ž. 3494
Minatelli, J. A. 3653
Mine, A. 2245
Minenko, A. K. 665
Minko, G. 1721, 2838, 3878
Minner, D. D. 112
Minotti, P. L. 92, 360, 3838, 3842, 3885, 3947
Mirkamali, H. 1332
Mironenko, A. V. 3749, 3771
Mirza, W. A. 3078
Mirzazhanov, K. 736
Mishra, B. K. 3570
Misra, A. 2327, 2774, 3407
Misra, L. P. 2325
Misra, S. P. 1446
Missala, I. 1525
Mitchell, D. S. 782, 1492, 2862
Mitchell, R. B. 2464
Mitchum, R. K. 2259
Mitra, P. C. 2330
Mitroiu-Rădulescu, N. 1815
Mittra, B. N. 2376
Mixner, I. 841
Miyahara, M. 3110
Miyanishi, K. 530
Miyazaki, M. 2978
Miyazaki, T. 4047
Mock, T. W. 2433, 2435, 2437, 2438
Modgal, S. C. 1988, 2358, 2908
Moenandir, J. 3366
Moffitt, L. J. 970
Mohamed Ali, A. 2327
Mohamed, Z. A. 4029
Mohammed, A. Z. E. 3475
Mohanty, D. C. 2774
Mohanty, P. 899
Mohyuddin, A. I. 1836, 3967, 3968, 3970
Moll, E. J. 2178
Moll, S. 1649
Mollel, S. 498
Mollel, S. L. 714, 1629, 2717
Molyneux, R. J. 3526
Monaco, T. J. 1124, 1778, 3208, 3590
Monaghan, N. M. 856
Monakhova, E. V. 656
Moncorge, J. M. 2725
Mondal, A. 2378
Mondragón, G. 1768
Monstvilaĭte, Ya. I. 391
Montague, M. J. 1881, 1882
Montaldi, E. R. 2161, 3573
Montegut, J. 2890, 2931
Montgomery, M. 1238
Montgomery, M. L. 2419, 3463
Montoya, L. J. 2320
Moody, K. 1023, 1118, 1126, 1230, 1771, 2734, 2736, 2737, 2900, 2901, 3084, 3408, 3562, 3583, 3767, 3937, 3959
Moody, R. P. 1517
Moog, F. A. 2779
Moomaw, R. S. 1027, 2363
Moore, A. D. 1871
Moore, J. R. 3182
Moore, L. D. 1496, 3445
Moorman, G. W. 1065
Moppert, K. B. 3100, 3102, 3121, 3137
Morachan, Y. B. 2325
Moral Trujillo, R. del 2260
Morales T., L. 3566
Moran, V. C. 1863, 2215
Mordaleva, L. G. 52, 578
Mordovets, A. A. 407
Moreale, A. 2283, 2643
Moreira, I. 1106, 1686, 2498, 2499, 2518, 2535
Morel, M. 3065
Moreland, D. E. 2323, 3619
Moreno G., J. 2716
Morey, D. K. 1992
Morey, P. R. 3952
Morgade, C. 318
Morgan, D. C. 1765, 2520
Morgan, D. G. 277
Morgan, D. P. 323
Morgan, R. W. 3037
Mori, S. 829
Mori, S. A. 2175
Morin, B. 2724
Morin, C. 2720, 2724
Morin, J. M. 1360
Morinaga, K. 131
Morita, M. 4047
Morlat, R. 2445, 3493
Mornet, J. 3067
Morris, K. 930
Morris, M. J. 3616
Morrison, I. N. 826, 888, 1576, 1889, 3252, 3951
Morrison, W. G. 159
Morrow, L. A. 3897
Morrow, L. S. 3802
Morrow, P. M. 2684
Mortimer, A. M. 671
Mortland, M. M. 2654
Moseman, R. F. 3314, 4030
Moser, E. 1570, 3349
Mosha, C. J. 498, 714, 1629, 2717
Mosher, W. D. 3463
Moshier, L. 1688
Moshier, L. J. 718, 1322, 1621
Moskalenko, G. P. 616
Moskalenko, L. P. 2056
Moss, A. 1264
Moss, S. R. 575, 631, 3580
Mossé, J. 2152
Motha, N. K. 2326
Motoc, I. 3152
Motoda, Y. 2982, 3225
Motuzinskiĭ, N. F. 4067
Moubasher, A. H. 348
Moursi, M. A. 2024, 2026
Mouterde, M. 2809, 3147
Mowatt, J. 2843
Mowforth, M. A. G. 2473
Moye, H. A. 3009, 4030
Moyer, J. R. 363
Moza, P. N. 4063
Mozer, R. R. 757
Mozhaev, V. G. 347
Muangsombut, E. B. 37
Mueller-Warrant, G. W. 2073
Muir, D. C. G. 661, 1244, 3045
Mukerji, D. 607, 609
Mukherjee, A. K. 55
Mukhin, V. P. 708
Mukhopadhyay, S. K. 1990, 2327, 2330, 2378, 3061
Mukhtar Singh 1992, 2329, 2547
Mulder, C. E. G. 3625
Mülle, G. 1001
Müller, F. 1908
Muller, G. 3300

Müller, H. 3963
Müller, J. 393
Müller, K. 2129
Müller, M. M. 2657
Mullet, J. E. 1897
Mulligan, G. A. 3206
Mullin, J. W. 3014
Mullison, W. R. 4051
Mulvaney, D. 2751
Mumm, R. F. 1104
Mumma, R. O. 4030
Munandir, J. 700
Münch, W. D. 2461
Muniyappa, T. V. 2325
Muniyappa, V. 1821
Muñiz, B. F. 2875
Munro, D. B. 3206
Munroe, C. E. 3768
Mur, A. R. de 3727
Murakami, M. 829
Murant, A. F. 2939
Muraro, R. 129
Muresan, T. 2699
Murfitt, R. F. A. 168
Murkowski, A. J. 895
Murphy, H. J. 3802
Murphy, K. J. 158, 304, 847, 2847, 3036
Murphy, P. 1794
Murphy, T. R. 1120
Murray, B. G. 2151
Murray, C. A. 2128
Murray, D. S. 2140, 2750, 3164, 3200, 3541, 3596
Murrie, D. I. 2684
Murty, K. V. 2999
Murugan, T. 545
Musa, R. A. M. 539
Muschinek, G. 2368
Mushak, P. A. 523
Mushtaq Ahmad 1173
Musikaev, D. A. 4091
Musselman, L. J. 1152, 1753, 2181, 2935
Musser, R. L. 2938
Mustárdy, L. A. 2368
Muthukrishnan, T. S. 2586
Mutz, J. L. 62, 153, 1056
Muzaffar, S. 2328
Mydlilová, E. 1288
Myers, J. H. 245, 1826
Naber, H. 1596, 1981
Nabiev, M.N. 2664
Nadakavukaren, M. 1499
Nädejde, M. 624
Nagarajan, K. 2872
Nagre, K. T. 2328
Nagy, F. 96
Naidu, N. G. 2327
Naiola, B. P. 2927
Nair, C. S. J. 2329
Nair, N. B. 545, 854
Naithani, H. B. 1112
Naito, A. 2978
Naka, S. 372
Nakada, E. 3244
Nakagawa, J. 4047
Nakagawa, K. 2676, 2858
Nakama, M. 3244
Nakamura, K. 2966
Nakanishi, H. 829
Nakano, K. 1834
Nakayama, K. 2864
Nalamwar, R. V. 2328
Nalewaja, J. D. 1006, 1134, 1186, 1286, 1395, 1396, 1787, 2352, 2483, 2519, 2983, 3086, 3625
Nalewaja, J. N. 1972
Nam, K. 2259
Nambiyar, I. P. S. 2329
Nanda, K. C. 3403, 3407
Nandakumar, N. V. 1583
Nanjappa 1988, 2329
Nankar, J. T. 1992, 2329, 2547
Naqvi, Q. A. 1819
Naranjo, F. 1365, 1702
Narasimma Rao, C. L. 1445
Narayanasamy, M. 1988
Nardi, S. 621, 1895
Narjisse, H. 3611
Narwal, S. S. 3172
Nash, A. S. 507
Nash, R. G. 1543
Nassar, H. 3474
Nasu, Y. 692
Nasution, U. 3366
Natan, V. 3313
Natarujan, K. R. 4018
Nation, J. L. 3612
Naudé, G. R. 3443
Navarez, D. C. 1230, 2901
Nayar, M. N. C. 2329
Naylor, J. M. 1397, 3531, 3627
Nazarenko, A. I. 407
Nazarova, T. A. 288
Nazrul-Islam, A. K. M. 3915
Ndahi, W. B. 3395
Ndon, B. A. 906, 1029, 1664, 3471
Neal, A. M. 2473
Negi, P. S. 2326
Nehra, D. S. 2330
Neilson, J. E. 183, 1132, 1406, 2475, 3903
Nel, P. C. 266, 338, 941, 3397, 3443, 3549, 4037, 4078
Nelson, D. C. 2164, 3018, 3032
Nelson, E. N. 4048
Nelson, J. E. 1033, 1299
Nema, H. A. 2190
Nemoto, M. 3225
Neogi, B. 568
Nestmann, E. R. 1937
Netherlands, Plantenziektenkundige Dienst 1596, 1618, 1728, 1981
Netherlands, Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond 2097
Netherlands, Proefstation voor de Bloemisterij 1679
Neubauer, S. 479
Neuhaus, W. 2690, 2691
Neumaier, N. 1774
Neunylov, B. A. 3365
Neururer, H. 1579, 3448
Neury, G. 86
Neuteboom, J. H. 1459, 2166
New, D. H. 931
New Zealand, Ministry of Agriculture and Fisheries, Agricultural Research Division 2685, 2776, 2785, 2792, 2816, 3178
Newbold, C. 388
Newman, E. I. 1467
Newman, R. C. 2099
Newton, M. E. 3251
Nicholl, M. J. 3214
Nicholls, P. 2284
Nicholls, P. H. 3683
Nicholson, G. G. 2516
Nicholson, S. A. 789
Nickle, W. R. 2950
Nielsen, H. J. 3750
Niemann, G. J. 1890
Niemann, P. 705, 827, 1612, 3744, 3751
Nieuwenhuizen, P. J. 941
Nigeria, Ahmadu Bello University, Department of Agronomy 18, 19, 36, 38, 439, 440, 443, 445, 455, 471, 473
Nijs, J. C. M. den 1423, 2155, 2156, 2889
Nikanorov, Yu. I. 790
Nikolajević, M. 1283
Nikolić, B. 1247
Nilson, E. B. 1295
Nilsson, H. 1554, 3823, 4060
Nilsson, S. 4105
Nimbal, C. I. 2846
Nirmala Mary, T. 584
Nishi, K. 3223
Nishi, S. 3000
Nishiiri, K. 3114
Nishimoto, R. K. 2451, 4065
Nishioka, Y. A. 4055
Nishiuchi, Y. 305
Nixon, K. C. 2181
Njagi, G. D. E. 4002
Nobbs, C. L. 2638
Noble, R. 3600
Noël, J. P. 1911
Nogi, M. 2676
Nolting, H.-G. 1536
Nomura, N. S. 3001
Noodén, L. D. 269
Nordby, A. 4100, 4102
Nordsomboon, C. 2533
Noriel, L. M. 1093
Norris, L. A. 3034, 3463
Norton, K. 334
Notaya, A. 2379
Nouvel, K. 3135
Novo, M. do C. S. S. 821, 822, 2828
Novotná, M. 1695
Nowak, K. 923
Nunes, J. de C. 3073
Nur-E-Elahi 2374
Nurdin 700, 2455, 3366
Nürnberg, H. W. 2256, 2627
Nuttall, M. 730
Nuyken, W. 738, 1004
Nyffeler, A. 1520, 4031
Nyoka, G. C. 3585
Nyren, P. E. 3157
Nyström, P. 964
Oakes, R. L. 1032
Obien, S. R. 1993
O'Brien, D. T. 3768, 4117
Obrigawitch, T. 335, 905, 3041, 3679
Occhiucci, G. 3676
Ochoa, M. J. 2867, 2884
O'Connor, G. A. 2287
Odgaard, P. 640
O'Donovan, J. T. 1573, 2610, 3058
O'Dowd, D. J. 3203
Oehlmann, L. 3050
Oelke, E. A. 830, 2902
Oesau, A. 1444
Oettmeier, W. 259
Ogawa, M. 1960
Ogg, A. G., Jr. 196
Ogierman, L. 3025
Oglesby, J. L. 312
Ohba, T. 3584
Ohgushi, T. 2966
Okafo, O. 473
Okazov, P. N. 2061
Okazova, A. G. 2061
O'Keeffe, M. G. 405, 408, 1002
Okereke, O. U. 535, 2607
Oki, Y. 2676, 3248
Okonkwo, S. N. C. 3957
Oláh, B. 1145
Olfers, C. von 1328
Oliva, A. 3763
Olivain, C. 1904
Oliveira, C. M. M. de 2820
Oliveira, D. A. 2906
Oliver, J. E. 1210, 1519
Oliver, L. R. 3564
Oliver, R. H. 3387
Oliver, R.M. 2429
Olmsted, C. 3231
Olsen, I. D. 1474, 2186
Olsen, J. D. 803
Olsen, S. 1474, 2186
Olson, D. L. 3687
Olson, J. O. 1291, 1302
Olson, W. 2983
Olson, W. A. 1186, 1972, 3095
Olsson, R. 422, 1599, 3736
Om Prakash 1988
Omel'yanenko, A. Ya. 149, 2121
Omer, F. 1816
Onofeghara, F. A. 866
Onwueme, I. C. 47
Oprea, N. 2699, 2715, 2773
Orazmetov, N. 2053
Orcutt, D. M. 1496
Orr, C. C. 1873
Orr, G. L. 1899, 2231, 2991, 3635
Orr, P. T. 862
Orrantia, M. 1668
Orson, J. H. 706
Ort, D. R. 1499
Ortiz, A. 3412
Osband, M. E. 3672
Osborne, J. A. 1384
Osburn, W. D. 1745
Oshima, N. 1410
Osman, M. 42
Osmers, K. 2765
Osredkar, R. 3655
Ostby, J. 3666
Osteen, C. D. 970
O'Sullivan, B. 683
O'Sullivan, P. A. 1089, 1573, 1574, 3058
Oswald, A. K. 483
Oswald, E. O. 4030
Otsuka, H. 3110
Ott, P. 1028
Ottermann, A. 1328
Overton, J. R. 31, 1633
Owen, J. W. 313
Owen, M. D. K. 1979
Owen, W. J. 2995
Owino, M. G. 888
Oyanedel G., F. 487
Ozaki, M. 2650
Ozenda, P. 1811
Özkut, A. 2060, 2391, 2430
Pablico, P. P. 1230, 2737
Pabón Parra, H. A. 3371
Padmanaban, R. 2329
Pagáč, J. 2913, 2914
Page, C. N. 227
Page, E. R. 1234
Page, J. B. 2356
Pagiotti, R. 3199
Pahwa, S. K. 728, 1989, 2326, 2388
Pál, J. 51
Palacios M., I. 818
Palafox de la Barreda, A. 1040
Palit, S. 1717
Paller, E. C. 2769, 3163
Palmer, C. G. 419
Palmer, W. H. 3783
Palmieri, F. 3343
Pamplona, P. 2743
Pamplona, P. P. 2798, 3757, 3761, 3763, 3914
Panchal, Y. C. 1989, 1991, 2328, 2846, 2850
Panchenko, V. P. 1865
Pande, P. N. 2325
Pandeliev, S. 1694
Pandey, D. K. 2315
Pandey, J. 2326, 2369, 2702, 3108
Pandey, K. K. 1848
Pandey, R. K. 2325, 2328
Pandey, R. M. 3615
Pane, H. 700, 3366
Panetta, F. D. 2496, 2552
Panhorst, T. 1423
Paniagua B., O. 395
Paniagua, B., O. 396, 397, 398, 399
Pank, F. 298, 479, 2058
Pannebakker, E. G. 3051
Panopio, L. G. 636
Pant, P. C. 2329
Pápa, A. 283
Papavizas, G. C. 2946
Papin, C. 3062
Papoyan, T. Z. 1026
Paradies, I. 2605
Paradossi, C. 2566
Parameshwarappa, N. 1990
Paranque, H. 3489
Pardos Carrión, J. A. 1883
Paredes, E. 73, 3843
Pârjol-Săvulescu, L. 1637
Park, H. S. 1777, 3165, 3473
Park, I.-S. 2093
Park, R. K. 2377
Parke, R. V. 3624
Parker, C. 272, 1152, 1784, 2768, 3005, 3299
Parker, C. E. 4036
Parker, H. 4121
Parker, V. T. 2157
Parrella, M. P. 238
Parris, G. E. 311

Parshutin, S. M. 459, 969
Parveen, F. 326
Paspatis, E. A. 3131
Passman, A. 939
Pasutto, F. M. 918
Patay, L. 3068
Patel, J. R. 1922
Patel, P. T. 2330
Patel, R. R. 2325
Patil, B. R. 2326
Patil, D. B. 441
Patil, J. R. 1989, 2328, 2329
Patil, M. P. 1990
Patil, N. D. 561
Patil, S. V. 1989
Patil, T. M. 2934
Patil, V. D. 1268
Patil, V. S. 2846
Patra, B. 2999
Patriarche, G. J. 2256, 2627
Patro, G. K., 1991, 1992, 2326, 2774
Patterson, D. T. 2892, 2938, 3593, 3920
Patterson, G. W. 1903
Patterson, M. 3427
Patterson, R. M. 2034
Patumi, M. 4064, 4077
Paul, R. N. 3540
Paul, U. 3235
Paulov, S. 647
Pavlova, N. N. 288
Pavot, A. 2701
Pawar, K. R. 2330
Pawłowski, F. 48, 188
Pawlus, M. 1667
Payne, A. G. 1526
Paynter, M. J. B. 3335
Pazurkiewicz-Kocot, K. 2609
Pazzi, G. 1225
Peabody, D. V. 3187
Peabody, D. W. 1189
Peart, M. H. 1409
Pecora, P. 1857
Pedersen, H. E. 1273, 1593, 3368
Pedersen, R. C. 92
Pederzoli, A. 1962
Peel, C. H. 3533
Peeper, T. F. 2707, 2986
Peirce, J. R. 2857
Pemberton, R. W. 1179, 1486
Pendleton, J. W. 3791
Peng, S. Y. 1105
Pen'kov, L. A. 665
Penn, D. J. 564, 1443, 1782, 3645
Penner, D. 1204, 1256, 2239, 2241, 3289, 3298, 3707, 3912
Pennors, J. 373
Pennypacker, S. P. 562
Pennypacker, S. R. 1155
Pépin, M. 2698
Peplińska, M. 271
Pepperman, A. B., Jr. 1879
Perdomo C., M. A. 3563, 3713
Pereira, R. C. 2175
Pereira, V. 2712
Perera, L. A. 16
Peresypkin, V. F. 3365
Pérez A., T. 3905
Pérez M., E. 3907
Pérez N., C. 2393
Perlovskaya, E. D. 4067
Perna, A. 3053
Perney, R-A. 2169
Perrot, A. J. 2807
Persing, T. E. 3466
Perucci, P. 623
Peschken, D. P. 2965
Pessala, B. 528, 702, 3734
Pestemer, W. 916, 947, 948, 2286, 2418, 4031, 4041, 4043, 4074, 4082
Peteghem, C. H. van 3017
Peter, C. J. 3334
Peterken, G. F. 2180
Peters, E. J. 836, 1973, 2482
Peters, L. J. 326
Peters, N. C. B. 3529, 3532, 3561
Peters, R. A. 3814, 3822, 3916
Petersen, P. J. 1521
Peterson, G. A. 2354
Peterson, K. J. 745
Peterson, R. M., Jr. 1379
Petkov, S. Ts. 1185
Petkova, G. 2647
Petr, F. C. 3239
Petrenko, V. M. 962
Petrie, G. A. 2191, 2192
Petrov, K. 1540, 1675
Petrović, R. 1284
Petrovici, P. 1609
Petrukha, O. I. 3365
Pettit, R. D. 749, 751, 834, 845, 3825, 3826
Petty, J. D. 3012
Pfister, K. 1905, 3633
Phang, A. K. 1370
Phatak, S. C. 1352
Philipp, O. 3360
Philippines, International Rice Research Institute 2019, 2172
Phillips, J. 1914
Phillips, J. N. 912, 913, 2595, 2618, 2621, 3992
Phillips, R. L. 1219
Phinney, S. L. 3070
Piasecka-Grzeszek, A. 929, 1532
Picci, G. 3673
Piccoli, F. 1452
Pichat, L. 1911
Pick, U. 1200
Pickersgill, B. 4125
Pieczka, B. 740
Piedrahita, W. 3521
Pieterse, A. H. 1400, 1731, 2225, 3184, 3620
Pietr, S. J. 949, 2262
Pietsch, W. 3946
Piggin, C. M. 2492
Pilinskaya, M. A. 1935
Pillai, K. G. 448
Pillai, P. 1471, 4015
Pillai, P. B. 2327
Pillmoor, J. B. 882, 3310
Pimentel, D. 1264
Pinho, A. F. de S. 2320
Pinho, A. F. S. 1555
Pinilla, J. A. 4083
Pinnerup, S. P. 3750
Pino, G. M. E. 3607
Pintilie, C. 2699, 2715, 2773
Pinto, E. T. 2727, 2821
Pînzariu, D. 1609
Pio, R. M. 2542, 3240
Piramowicz, W. 46
Pirisi, F. M. 3010
Pitsch, M. 2829, 2830
Pitze, M. 1244
Pizzolato, T. D. 1500
Plimmer, J. R. 1940
Ploeg, H. L. 1276
Plokhov, A. A. 151
Ploszynski, M. 1014
Plucknett, D. L. 2135
Pluquet, H. 2118, 3870
Pocchiari, F. 3669
Podrebarac, D. S. 931, 932
Pogan, E. 2932
Pogorzelska, H. 1932, 1934
Poisson, J. C. 3066
Polemio, M. 3343
Pollard, F. 416, 1131, 3580
Polyakova, N. A. 790
Pomorski, R. J. 2590
Ponder, F., Jr. 2460
Pongponratn, P. 3180
Ponomareva, E. A. 3365
Pons, M. 2265
Pons, T. L. 3528
Pont, V. 1506
Pop, M. 937
Popa, F. 29, 2384
Popay, A. I. 1399, 2776, 3178
Pope, C. L. 1420
Pope, P. E. 349, 1720
Popescu, A. 2337, 2384
Popoff, T. 1949
Popova, D. 3693
Popović, A. 1266
Popović, Ž. 3494
Popovich, N. A. 942, 3332
Porpiglia, P. J. 2686, 3786
Porteneuve, C. 2797
Poschenrieder, G. 345
Posnette, A. F. 2939
Posno, M. 1426
Pospichal, O. 1527
Post, B. J. 245
Posthumus, F. 825, 2158, 3217, 3218
Potdar, M. V. 1990
Potgieter, D. J. J. 4037
Pototskaya, L. A. 4084
Pötsch, J. 2539
Potter, C. A. 650, 1537
Potter, M. E. 1234, 1663
Potts, M. J. 404
Poulson, T. L. 94
Pozhar, Z. A. 3365
Poziomek, E. J. 3014
Prabhakara Setty, T. K. 2325
Prado G., R. 3905
Prado, R. de 4083
Prahlad, K. V. 648
Prakash, J. 2189, 2326
Prameela Devi, Y. 1583
Prasad, R. 788
Prates, H. S. 130
Prentki, R. T. 164
Prenzel, U. 2238
Présing, M. 1224
Pressland, A. J. 2415
Pressley, T. A. 3013, 3024, 3026, 3027, 3306
Preston, P. E. 3430
Preston, S. R. 3387
Pretorius, C. J. H. 2402
Pribyl, M. 1527
Prică, D. 2113
Price, H. 167
Price, P. W. 2947
Price, T. P. 908
Prihar, S. S. 1428
Primack, R. B. 1418, 3205
Prin, M. 23, 80, 760, 3162
Prins, H. B. A. 3954
Pritchard, G. H. 2465, 2471
Probatova, N. S. 225
Prober, M. I. 639
Proctor, C. H. 3082
Prodanov, I. 60, 61, 485, 747, 1049, 1340, 1657
Promila, K. 728, 2388
Pronina, N. B. 881
Prosch, D. 3422
Prozhiko, A. N. 150
Pruss, S. W. 2686, 3785
Prusty, G. K. 1991
Prusty, J. C. 1992
Pryor, C. N. 1744
Pryzbylek, J. M. 1094
Puente, J. 1698
Puerto, O. del 3210
Pujol, J. Y. 753, 2721, 3085
Pundir, U. P. S. 1180
Purcell, A. H. 1154
Purnomo, D. 3366
Pushkina, G. P. 774, 2457
Pushpangadan, P. 1501
Pushparajah, E. 1926
Putievsky, E. 2513
Putnam, A. R. 1059, 2087, 2090, 2096, 2110, 2803, 2822
Putwain, P. D. 671, 892
Puzikov, L. S. 1640
Py, C. 136, 3502
Pyke, D. A. 1143
Pyon, J. Y. 1435, 1436
Quakenbush, L. S. 721, 1971
Que Hee, S. S. 2243
Quencez, P. 3174, 3503, 3867
Quère, G. 2721, 3135
Quereshi, S. 1819
Quilt, P. 1957
Quimby, P. C., Jr. 783, 876, 1170, 3978
Qureshi, F. A. 3291
Qureshi, M. S. 3076
Raatikainen, M. 2637
Raatikainen, T. 2637
Rabb, J. L. 3100, 3102, 3120, 3121
Rabinowitz, D. 1408
Rabourdin, C. 2819
Raboy, V. 3477
Radanachaless, T. 205
Radke, R. O. 2372
Radosevich, S. R. 1805, 3177
Radovanović, A. 1115
Radulescu, V. 4041
Rafael, E. A. 2696
Ragab, M. T. H. 3031
Raguse, C. A. 2146
Rahman, A. 2685, 2792, 2816, 3178, 3341
Rai, J. P. N. 1780
Rai, L. P. 2330
Rai, R. N. 1989
Raid, R. N. 562, 1155
Raigosa B., J. 3499, 3500
Rainey, R. C. 2939
Raison, J. M. 719
Raj Singh 2328
Raja Reddy, K. 911
Rajagopal, A. 2325, 2329
Rajan, A. V. 1993
Rajan, M. S. S. 2330
Rajebhosale, P. J. 1989
Rajgh, C. 2330
Rajoo, R. K. 3392
Raju, D. S. S. 2999
Raju, K. S. 3078
Rakhimov, A. A. 262, 3806
Rakitin, Yu. V. 249
Rakitska, V. 1182, 1183, 1196, 1884
Ram, C. S. V. 1699
Rama Das, V. S. 911
Ramachandra Boopathi, S. N. M. 1309
Ramachandra Prasad, T. K. 2325
Ramachandran, K. 1706
Ramachandran, V. 3516
Ramakrishnan, L. 2392, 2454
Ramakrishnan, P. S. 1802, 3557, 3570
Ramakumar Reddy, K. 454
Ramamoorthi, K. 1990
Ramana Gowd, P. 1988
Ramanagouda, P. 1990
Ramanagowda, P. 2327
Ramanujam, P. 3640
Ramaprabhu, T. 3516
Ramaseshiah, G. 1875
Ramat, G. 2683
Ramazanov, Kh. D. 1022
Ramazanova, L. K. 2226
Ramazanova, L. Kh. 1181
Rambaud, R. 2791
Rambeaux, J. 3302
Ramos M., P. 2107
Ramson, A. 3235
Rana, S. K. 55
Rand, G. M. 1930
Randhawa, K. S. 1643, 2329
Randles, J. W. 2939
Rane, S. D. 516
Rangelov, K. N. 3513
Ranieri, M. De 1681, 2098
Rankov, V. 1675
Ransom, J. K. 830, 2902
Rao, A. N. 251, 2326, 2731
Rao, A. R. 3078
Rao, B. L. 1501
Rao, C. L. N. 1445
Rao, D. C. 2328
Rao, J. V. S. 911
Rao, K. N. 2327, 2741
Rao, M. K. V. 551
Rao, M. S. S. 2326, 2327, 2330
Rao, P. N. 1113
Rao, R. R. 551, 568
Rao, S. R. 3519
Rao, V. S. 1705, 2325, 2329, 3866
Rao, W. K. 1367
Rao, Y. Y. 3078
Raodeo, A. K. 2325
Rapp, J. K. 1408
Rappe, C. 3308
Rasbury, G. E. 3120

Rashed, M. H. 2854
Rashed-Mohassel, M.-H. 2855
Rasmusson, D. D. 1980
Rath, N. 2444, 3856
Rathi, K. S. 2326, 2327, 2328
Rathi, S. S. 2330
Rathman, D. P. 1286
Rathmann, D. P. 832
Rathod, V. R. 2328
Ratnadewi, D. 700, 3366
Rattigan, B. M. 913, 2618
Rauch, F. 753, 3085
Raven, J. A. 1795
Rawash, I. A. 1584
Rawate, P. D. 3720
Rawson, J. E. 560, 1306, 1331, 2771
Ray, T. B. 2997
Razik, N. Y. 2772
Read, M. A. 417
Reader, R. J. 2407
Reames, J. E. 33
Reddy, A. 2827
Reddy, A. G. S. M. 1456
Reddy, B. 2325
Reddy, B. S. 3403
Reddy, B. V. N. 1113
Reddy, C. R. 663
Reddy, D. S. 1456, 1991, 2327
Reddy, G. H. S. 2330
Reddy, H. R. 1821
Reddy, K. R. 309, 2330
Reddy, P. V. G. K. 3516
Reddy, S. N. 2325
Reddy, V. C. 2325
Reed, G. 3466
Reed, T. F. 4099
Reed, W. 684
Rees, N. E. 1165
Reeves, J. W. 1709
Reeves, T. G. 2359, 2383, 2492
Regan, T. E. 920
Regehr, D. L. 1500, 3779
Reichard, D. L. 2660
Reichelderfer, K. H. 2953
Reichhart, D. 2227
Reid, C. P. P. 1148
Reid, D. F. 1313
Reilly, J. J. 3445
Reinhardt, D. H. R. C. 3173
Rellier, J-P. 2169
Relyea, D. I. 3653
Remoue, M. 3493
Remy, V. A. 1335
Renaud, A. 2293, 2626, 2649
Renaudin, S. 1814, 2185, 2568
Renaut, G. 3133
Renberg, L. 1494
Renosto, F. 621
Rensen, J. J. S. van 256, 3631
Reschke, M. 1383, 3742
Responso, M. E. 3758
Rethinam, P. 2330, 3059, 3060
Rettich, B. 1921
Retzinger, E. J., Jr. 3415
Retzner, H. A. 2087
Reuber, M. D. 1550
Reuss, H.- U. 1448
Reuterhäll, H. 3809
Rey, C. J. 306
Rey, L. 2568
Reyes Luis, F. 1700
Reynolds, C. S. 182
Řezáč, A. 409
Rhodes, G. N., Jr. 3518
Ribaillier, D. 2265
Richard, E. P. 4042
Richard, E. P., Jr. 2013, 2014, 2015
Richards, J. H. 224
Richards, K. T. 1491
Richards, M. C. 1002
Richards, P. V. M. 3436
Richardson, A. J. 181
Richardson, R. G. 1414, 2661
Richardson, W. G. 272, 416, 527, 3005, 3299, 3447
Riches, C. R. 3262
Richey, C. B. 367
Richter, K. 3813
Rickard, P. 966
Rickards, C. M. 374
Ricker, D. W. 1860, 3270
Ridings, W. H. 1490
Rieck, C. E. 1206, 1209, 2068
Rieck, W. 2317
Rieger, A. L. 1916
Riemer, D. N. 3183
Rietveld, G. H. 1596
Rietz, S. 3354
Riff, J. 2712
Rigby, C. 2977
Riley, J. E. 2090, 2096
Rin, U. C. 3702
Rincker, C. M. 2904
Riopel, J. L. 1151
Rioux, R. 3221
Ripke, F. O. 4114
Ritchie, L. S. 2322
Ritoine, E. L. 1629, 2717
Rittenhouse, A. R. 1418
Ritter, A. 3556
Ritter, R. L. 901, 956, 3756, 3820, 3922
Ritty, P. M. 3881
Riveland, N. 9
Rizk, M. A. M. 2050, 2052
Rizk, M. F. 3636
Rizk, T. Y. 2024, 2026, 2880
Rizo, J. J. 1700
Rizvi, S. J. H. 607, 609
Rizza, A. 1857
Roâ, L. 2697, 2708, 2709, 3159
Roberts, E. H. 534, 1402, 1403
Roberts, H. A. 183, 1132, 1234, 1406, 1663, 1754, 2475, 2477, 3468, 3469, 3470, 3903
Roberts, R. 1229
Roberts, T. R. 3310
Robertson, J. 620
Robertson, J. A. 2417
Robichet, J. 3493
Robinson, D. E. 1661
Robinson, D. W. 501, 992
Robinson, E. L. 3684
Robinson, G. R. 1047
Robinson, J. C. 1083
Robinson, R. C. 3642
Robles, R. P. 2757
Robson, N. K. B. 3211
Robson, T. O. 161, 787
Rocha Afonso, M. L. da 2540
Rocha, F. 2760
Rodger, D. J. 2350
Rodgers, R. 1902
Rodkiewicz, B. 2933
Rodman, J. 2473
Rodrigues, J. J. V. 3648
Rodríguez, A. 3956
Rodríguez B., J. I. 818, 857, 2494, 3905
Rodríguez, C. R. 137, 3176
Rodríguez G., E. 3390
Rodríguez-García, J. 2115
Rodriguez-Kabana, R. 3347
Rodríguez, M. T. 1441
Rodríguez, N. 1365
Rodríguez, R. 3864
Rodriguez, R. R. 181
Roediger, H. 3451
Roeth, F. W. 1294, 1616, 1755, 2577, 3041, 3679
Roey, G. V. van 3634
Rogers, B. S. 196
Rogers, L. J. 315
Rogers, N. K. 1946
Rogers, R. L. 3139, 3415
Rogers, S. A. 726
Roggenbuck, F. 2239
Rognon, J. 2809, 3147
Rohde, W. A. 1952
Rohr, W. 2248
Rojas G., M. 1739, 1758, 2055
Rola, H. 1598, 1797
Rola, J. 739, 1035, 1797
Rollins, R. C. 1798
Rolston, D. E. 1567
Rolston, M. P. 223, 3179
Rom, R. C. 770
Romano, B. 3199
Romanowski, R. R. 2092, 2801, 3466
Romero, C. 3412
Romminger, K. 3662
Rondia-Deker, A. 2381
Rondia, G. 2381
Ronoprawiro, S. 700, 1707, 2117, 3366
Room, P. M. 1828, 1869
Roorda, F. A. 3184
Roorda, I. M. 1531
Rooy, M. de 97
Roqueplo, C. 3030
Roquib, M. A. 55
Rorison, I. H. 3915
Rosa, M. L. 2535
Rosales, E. 1739
Rose, E. 1070
Rose, S. P. 2147
Roseboom, H. 2263
Rosen, J. D. 2232
Rosenberg, C. 2637, 2657
Rosenthal, R. N. 763
Rosenthal, S. G. 1982
Rosenthal, S. S. 2205
Roshdy, A. 2024, 2026
Roslycky, E. B. 353, 2656
Ross, B. M. 871
Ross, E. A. 3466
Ross, J. D. 248, 1749
Ross, M. A. 1318
Ross, R. H. 2686
Rossignol, Y. 3489
Rosso, S. W. 313
Rott, B. 4032
Rouas, G. 3492
Roundy, B. A. 815
Rousvoal, D. 1052
Roux, D. J. le 3369
Rowan, S. J. 1901
Rowland, K. L. 2259
Roy, C. 2692
Roy, J. C. 122
Roy, S. C. 2602
Roze, L. D. 2202
Rozhkova, N. G. 914
Rozier, J. P. 123
Rozier, J. P. P. 3491
Rozsypalová, Z. 346
Rudiger, W. 2984
Rudnicki, F. 1667
Ruedell, J. 3774
Rüegg, E. F. 3342
Rule, J. S. 1282
Rumpho, M. E. 1398, 3898
Runowska-Hryńczuk, B. 1014
Runyan, T. J. 2707
Rusbridge, J. W. 1376
Rusch, A. J. 533
Rushkin, E. 2910
Russ, O. G. 718, 1322, 1621, 1736
Russell, J. 378
Russell, K. W. 776
Russell, R.C. 2450
Russell, W. E. 1389, 1661
Ruswandi 1368
Rutherford, I. 365
Ruzic, I. M. 2408
Ryan, G. F. 763, 3850
Ryan, P. J. 2995
Ryan, T. M. 927
Sabath, M. D. 1826
Sabatini, M. A. 1961, 1962, 3691
Sabina, C. A. 3558
Sabordo, M. P. 1021
Sacco, P. D. 309
Sachdev, M. S. 2313
Sachs, E. 3235
Sackmauerová, M. 284
Sadek, H. 3665
Sadowski, J. 929, 1532
Safarov, Sh. 524
Sagar, G. R. 823
Sagaral, E. G. 2726
Saghir, A. R. 3455
Sago, R. 3000
Sahai, A. 2567
Sahai, R. 1146, 1465
Sahid, I. 344, 354, 2613
Sahid, I. B. 2658
Saho, T. 618
Sai Pal 2326
St. John, J. B. 1195, 1471, 1903
St. John, P. A. 4030
Saint-Paul, U. 974
Sajdak, R. L. 1712
Sajise, P. E. 3938
Saka, H. 3307
Sakai, K. 2253, 2254
Sakai, Y. 187, 3904, 4086
Salaün, J-P. 2227
Salazar, L. C. 3450
Salazar Y., E. 4044
Salbeck, G. 2738
Sale, P. J. M. 862
Saleh, H. H. 1630
Salembier, E. 2721
Salembier, J. F. 732, 2293, 2649, 2739, 3042
Salhoff, C. R. 2987
Salto, T. 809, 1463
Saltzman, S. 660, 1241, 3047
Salvucci, M. E. 231
Samarakoon, A. B. 1417, 3207
Sambai, L. M. 498, 714, 1629, 2717
Sambuco, G. 258
Samdyan, J. S. 1347
Sameni, A. M. 3641
Samiano, A. R. 4117
Samoïlov, L. N. 1788
Samosvat, L. S. 290
Samuelsson, B. 4107
San Juan, N. C. 137, 138, 139, 3176, 3366, 3505
Sanagustin, S. M. 1697
Sanap, M. G. 2328
Sanches, N. F. 3173
Sánchez, R. A. 1100
Sanchis, P. 2723
Sandermann, H., Jr. 1503, 3993, 3994
Sanders, D. C. 1124, 1778
Sanders, D. R., Sr. 3272
Sanders, W. M. 1544
Sanderson, C. A. 315
Sandhu, K. S. 22, 203, 1643, 2329
Sandmann, G. 2622, 4012
Sandoiu, D. 2715, 2773
Sandoiu, D. D. 2699
Sands, D. C. 2204
Sands, D. P. A. 1825, 1869
Sanftleben, H. 1371
Sangtong, T. 2379
Sankara Reddi, G. H. 454, 1991
Sankaran, S. 1988, 1989, 1990, 1991, 1992, 1993, 2325, 2327, 2329, 2330, 3059, 3060
Sankaran, T. 1875
Sanok, W. J. 77, 88, 755
Santacruz, L. 3504
Santakumari, M. 663
Santos, C. A. L. dos 821, 822
Santos, J. 210
Santos, T. S. dos 2175
Sanusi, M. 3366
Sapundzhieva, K. 666
Saraf, C. S. 453, 1990
Sarakhovskiĭ, V. G. 657
Saranadagoudar, S. V. 2327
Saras, C. N. 4009
Sarasola, E. A. 126, 2448
Sarasúa, M. J. 1847
Saraswat, V. N. 2330
Saraswati, R. 1171, 1850
Saratbabu, G. V. 586
Sárkány, L. 3875
Sarkar, P. A. 1988, 2327, 2900
Sarmah, S. N. 2329, 3866
Sarojini, G. 897
Şarpe, N. 29, 1613, 2337, 2384, 3134, 3152, 3488
Sartori, V. 2693
Sárvári, L. 281
Šašek, V. 3690
Sasiprapa, V. 2533
Sassa, T. 2594
Sassic, N. M. 1384
Sastroutomo, S. S. 3198
Satarov, V. A. 459
Sato, H. 2570

Sato, K. 352
Sato, N. 2253, 2254
Satomi, T. 2620
Sattar, M. A. 1557, 1918, 2257
Saturnino, H. M. 2794
Satyanarayana, N. 1706
Sauer, J. D. 1139
Savkina, E. A. 8
Savongdy, H. O. 2909
Savulescu, V. 3134
Sawhney, J. S. 2329
Sawhney, N. 1762
Sawhney, S. 1762
Sawyer, C. D. 178
Saxena, D. K. 1393
Saxena, K. G. 3557
Scandella, D. 1568
Scanlan, J. C. 1341, 2845
Scarpaccini, F. M. 1225
Scarponi, L. 623
Scarsbrick, B. D. 1265
Schaad, N. W. 1156
Schaal, B. A. 1111
Schacht, O. B. 3708
Schact, O. 965
Schafer, D. E. 2372
Schäfer, W. 2984
Schaffer, B. 1148
Schaffner, W. 1229
Schalitz, G. 3813
Schalk, P. H. 2155
Schans, C. van der 1072
Schärer, E. 4069
Scharpf, R. F. 1813
Schaub, J. R. 1221
Scheel, D. 1503, 3993, 3994
Scheepens, P. C. 3987
Scheffer, J. J. C. 2423
Schehl, S. E. 1276
Scheibelreiter, G. K. 2582
Schepers, J. S. 2266, 3421
Schepps, A. L. 3927
Schietinger, R. 1061
Schiller, C. T. 1291
Schiller, J. M. 1019
Schiopu, D. 2773
Schlieman, G. K. 540
Schlising, R. A. 2199
Schmalzi, K. J. 2350
Schmeisser, J. 2063
Schmidl, L. 1872
Schmidt, H. 2269, 4058
Schmidt, K. 1570, 3349
Schmidt, L. 2074
Schmidt, M. 3712
Schmidt, R. E. 3168
Schmidt, R. R. 3049, 4031
Schmidt, U. 3460
Schmitlin, B. 3489
Schmitt, M. R. 2563
Schnappinger, M. G. 3785, 3786
Schneeberg, L. M. 65
Schneider, G. L. 1316, 3421
Schneider, R. P. 3738
Schocken, M. J. 4080
Scholl, C. G. 2943
Scholten, A. H. M. T. 291
Scholz, H. 191, 2508
Schonbeck, M. W. 1752, 2137, 2138
Schoonhoven, A. van 1478
Schott, H. 3717
Schoulties, C. L. 1490
Schow, G. S. 2996
Schreiber, M. M. 957, 990, 1119
Schreiner, I. 1264
Schreiner, I. H. 877
Schröder, D. 2209, 3962, 3964
Schrodter, G. N. 2771
Schrodter, Q. D. A. 1331
Schroeder, D. 240, 3962, 3964
Schroeder, G. L. 1000, 1039, 1186, 1333, 3288, 3800
Schueneman, T. 1688
Schulten, H.-R. 3023
Schulze, K. 3870
Schumacher, W. J. 4097
Schuman, G. E. 2266
Schumann, G. 2250
Schuphan, I. 891, 2232, 4053, 4068, 4069
Schuster, G. 3150
Schütte, H. R. 3637, 4011
Schwartz, T. K. 206
Schweizer, E. E. 3798
Schwerzel, P. J. 3527
Sciarappa, W. J., Jr. 3784
Scibisz, K. 514
Scifres, C. J. 62, 64, 153, 1054, 1056, 1057, 1983, 3155
Sciumbato, G. L. 1839
Scoresby, J. R. 725
Scott, A. R. 3550, 3551
Scott, J. K. 1482, 1851
Scott, K. R. 892
Scott, R. K. 1329
Scott, T. G. 3320
Scourey, L. R. K. 2356
Scragg, E. B. 174, 576, 1464
Seago, J. L. 3908
Sebök, P. M. 3576, 3578
Secrest, W. L. 1931, 4030
Seddon, J. C. 155, 413
Seder, B. R. 3745
Sediyama, C. S. 85
Sediyama, T. 3774
Seetharama Reddy, K. 598
Segall, Y. 2232
Seguin, G. 3686
Seiber, J. N. 637, 3650, 4030
Seibert, K. 2302
Seifert, J. R. 1711
Seipp, W. W. 750, 3828
Sell, C. R. 1543, 3668
Selman, F. L. 3144
Sembiring, E. N. 700, 3366
Semenikhina, V. V. 475
Semenov, V. D. 8, 10
Semidey-Laracuente, N. 2115
Semple, J. C. 1422
Sen, A. 1268
Sen, A. K. 3061
Sen, D. N. 1993, 2325, 2326, 2866
Sena, E. M. 2779
Seńczuk, W. 1932, 1934
Senesac, A. 3947
Senesi, N. 1553
Sengalevich, G. 1559
Senior, D. 1346
Sentein, P. 1936
Serbănescu-Jitariu, G. 1815
Sergent, G. 2819
Serim, I. 2426
Serpeille, A. 2740
Serra, G. E. 250
Serrano S., G. 3454
Seshaiah, T. 2330
Seshavatharam, V. 3079
Setty, T. K. B. 2937
Setzler, J. V. 3316
Sewell, G. W. F. 2939
Shaaban, F. E. 1939
Shabanov, A. K. 659
Shadoff, L. A. 4030
Shah, C. B. 2325, 2330
Shah, S. R. 2328
Shahin, A. H. 1630
Shala, B. 1142
Shamsi, S. R. A. 850
Shaner, D. L. 3538
Shannon, P. W. 3178
Shantaveerabhadriah, S. M. 1988
Shanthamallaiah, N. R. 1991
Shanthaveerabhadraiah, S. M. 1990
Shao, S. R. 804
Shapovalov, A. A. 914
Sharma, B. M. 3723
Sharma, C. B. S. R. 2999
Sharma, D. P. 2325
Sharma, G. L. 2373
Sharma, H. C. 299, 300
Sharma, H. R. 728, 2388
Sharma, J. 2713
Sharma, K. L. 2329
Sharma, K. P. 3246
Sharma, M. P. 3291
Sharma, N. N. 2369
Sharma, R. K. 2325
Sharma, R. L. 2329
Sharma, S. K. 2326
Sharma, V. S. 1706, 3056
Sharman, E. D. 3338
Sharom, M. S. 1917
Sharp, E. L. 2204
Sharp, T. 2753
Shasha, B. 957
Shaukat, S. S. 2770
Shaw, G. B. 1571
Shaw, K. A. 2471
Shaw, S. 2473
Shaw, W. C. 3364
Shawa, A. Y. 3857
Shawe, F. J. 2402
Shaykewich, C. F. 204
Shcherbakova, T. A. 4084
Sheaffer, C. C. 1656, 3153
Sheffield, E. 1806, 1807, 3255
Shehata, A. 1939
Shekar Rao, J. C. 1991
Sheldon, B. 1925
Sheleg, Z. I. 602
Shelke, D. K. 2325, 3190
Shelke, V. B. 2328, 2371
Shepard, M. 1264
Sheppard, B. W. 1002
Sherma, J. 280, 920
Sherman, M. E. 3423
Shestakov, V. G. 659
Shettel, N. L. 2597
Shetty, S. V. R. 2032, 2325, 2731, 3084, 3426
Shevchenko, V. N. 3365
Sheverdinov, V. T. 2401
Shigeta, A. 2639
Shimabukuro, R. H. 1886, 3623, 3624, 3995, 3996
Shimizu, N. 3553
Shimizu, S. 3166
Shindo, N. 1580
Shinkarenko, A. S. 406
Shiopu, D. 2715
Shipman, L. L. 1898
Shireman, J. V. 1733, 2851
Shirko, T. S. 639, 641
Shivanna, K. R. 2567
Shlyakova, E. V. 566
Shopov, T. 731
Shore, F. L. 3359
Shorthouse, J. D. 2942
Shostak, L. B. 638
Shreni, V. C. D. 1818
Shrum, R. D. 3981
Shtefyrtse, M. A. 4076
Shukanov, V. P. 3749
Shustov, V. S. 926
Shustrov, V. S. 292, 1640, 3312
Shutov, I. V. 149
Shvachko, L. D. 3020
Shvezov, A. N. 590
Siahaan, A. E. 1077
Sianturi, W. 700, 3366
Sicard, G. 3151
Sickerman, S. L. 878
Sickinger, S. M. 1477
Siddappa, B. 2005
Siddaramaiah, A. L. 1822
Siddiqui, M. R. 2374
Sidhu, M. 2879, 2888, 2915
Sieber, V. K. 2151
Sieberhein, K. 2006, 2067, 2174, 3813
Sieczka, J. B. 77, 88, 755, 2623
Siegel, N. R. 1881, 1882
Siegmund, H. 1950
Siemelink, M. E. 1731
Signori, L. H. 15
Sijtsma, R. 58, 2409
Sikora, R. A. 43, 1963
Silowiecki, A. 3025
Siltanen, H. 2637, 2657
Silva, C. M. da 85
Silva, J. B. da 2696
Silva, J. F. da 85, 341
Silva, L. A. M. 2175
Silveira, H. L. 2760, 2762
Simanjuntak 700
Simanjuntak, R. P. 3366
Simeonova, I. 2367
Simkins, G. S. 718, 1621, 2336
Simmons, D. M. 2514
Simnacher, R. 3816
Simon, J. A. 1682
Simon, J. E. 4033
Simoneaux, B. J. 1931
Simoneaux, J. M. 3019
Simpson, G. M. 1397, 3531, 3627
Sin, L. 517
Sinden, J. A. 691
Singer, S. R. 4003
Singh, A. 453, 1990
Singh, B. 493, 2389
Singh, B. B. 2326
Singh, B. D. 4089
Singh, B. P. 1818, 3108
Singh, B. R. 2924
Singh, C. 3615
Singh, C. M. 2734
Singh, D. 2326, 2389
Singh, G. 2326, 2389
Singh, J. 2258
Singh, K. 664, 1566
Singh, K. D. N. 2369
Singh, K. K. 2908
Singh, M. 1352, 2327, 2355, 2547
Singh, M. M. 446
Singh, M. P. 2733
Singh, O. P. 1137
Singh, R. 2687
Singh, R. B. 4089
Singh, R. C. 3111
Singh, R. M. 2713, 4089
Singh, R. P. 493, 2327, 2373, 3606
Singh, R. S. 1780
Singh, S. B. 1465, 2326
Singh, S. K. 1137
Singh, S. N. 2328
Singh, S. P. 394, 1545, 2327, 2688, 3004
Singh, S. R. 2573
Singh, S. S. 2329, 2330
Singh, T. 2326
Singh, V. 2330
Singh, V. P. 538, 4089
Singhal, R. N. 1993
Sinha, A. P. 664, 1566
Sintorn, K. 4104
Sinyugin, M. V. 1658
Siourd, J. le 79
Sîrbu, M. 1609
Siriwardana, T. G. D. 2648
Sittig, M. 3664
Siwicki, S. 1642
Sizer, C. E. 4054
Skelton, B. W. 1913
Skender, A. 1115
Skroch, W. A. 3082
Skryabin, G. K. 942, 3332
Skuterud, R. 3735
Slabnik, E. 1767
Slife, F. 3646
Slife, F. W. 961, 1516, 2652, 2752
Sloan, M. E. 2608
Slonovschi, V. 1609
Sluyters, J. A. F. M. 987, 988
Sly, J. M. A. 380, 973, 3357, 3716
Smagula, J. M. 3485
Smart, G. C., Jr. 1377
Smart, R. M. 1458
Smid, D. 4024
Smika, D. E. 3338
Smirnov, B. M. 406
Smirnov, V. I. 468
Smit, A. J. 861
Smit, N. S. H. 338, 4037, 4078
Smith, A. 1945
Smith, A. E. 2289, 3452, 3678
Smith, C. F. 2216
Smith, C. R. 2851
Smith, G. 1913
Smith, H. 1765, 2520
Smith, J. 426, 1277, 2689
Smith, L. J. 2761, 2764
Smith, L. M. 3012, 3308
Smith Meyer, M. K. P. 2967
Smith, N. G. 837
Smith, R. B. 2818

Smith, R. J., Jr. 2016, 3984, 3985
Smith, R. W. 2219, 2220, 3359
Smith, S. N. 2658
Smith, T. L. 1092
Smolarz, K. 1690
Snel, J. F. H. 3954
Snell, J. 57
Snider, R. J. 2659
Snijder, J. 2184
Snyder, R. G. 2437
Sobti, S. N. 608, 1392, 1501, 1678, 1891
Society of Agricultural Chemistry Industry 688
Soedarsan, A. 700, 1368, 3366
Soepardjo, S. 700, 3366
Soerohaldoko, S. 700, 3366
Soesilo, H. 985
Sokolov, M. 1542
Sokolov, M. S. 638, 649
Sokolova, E. B. 638
Soldatini, G. F. 2566
Soliman, A. S. 2398
Soliman, N. Z. 3636, 4029, 4035
Solomon Islands, Ministry of Agriculture and Lands 2
Solomon, K. R. 1917
Solomon, M. G. 2939
Solymosi, P. 176, 2139
Somervaille, A. J. 2408
Sommer, G. 3965
Somody, C. N. 1395, 1396, 2483, 2519
Song, C.-S. 1552
Songin, W. 46
Soni, P. 1081, 2274
Sonnier, E. A. 1312, 3764, 3766
Sopeña M., J. M. 2107
Sosebee, R. E. 592, 748, 750, 1055, 3708, 3828
Soteres, J. H. 2140
Soteres, J. K. 3200, 3535
Sotiriou, N. 928
Soulas, G. 1558, 2288
Soundara Rajan, M. S. 454, 1991
South Africa, Department of Agricultural Technical Services 427, 490, 503, 510, 511, 513, 540, 588
South Africa, Experiment Station of the South African Sugar Association 1361, 1362, 1363, 1366, 1380
South, D. B. 2458, 3508
Southcombe, E. S. E. 676, 1254
Souza, M. A. G. 857
Souza Machado, V. 74, 1202, 2236, 3643
Souza, R. J. 2794
Soyer, N. 2619
Spall, W. D. 1927
Sparke, C. J. 173
Sparvoli, E. 3695
Spasić, M. 1135, 1284
Spasov, V. 1694
Specht, W. 3011
Speedie, M. K. 4080
Spelce, D. L. 1753
Spence, D. H. N. 2564
Spencer-Jones, D. H. 275
Spencer, N. R. 814, 1982, 2217
Speri, P. 1790
Sperlingsson, C. 3796
Spickard, W. A., Jr. 1229
Spillett, P. B. 166
Spiridonov, Yu. Ya. 659, 708
Squires, N. R. W. 410
Sridhar, M. K. C. 3723
Srikant, B. V. 1992
Srinivasan, S. 2020
Srivastava, J. S. 4089
Srivastava, K. M. 1818
Srivastava, S. N. L. 2114
Stahlberg, L. A. 1293
Stahlberg, L., Jr. 1622
Stahlecker, B. 1328
Stahlman, P. W. 1307, 1308
Stalder, L. 650, 1537, 2418
Stälder, L. 4043
Stalling, D. L. 3012, 3308
Stalter, R. 3934
Stanchev. A. 666
Standell, C. J. 3457
Staněk, J. 1695, 2443
Staniforth, D. W. 3539
Stankiewicz, M. 3046
Stanley, J. G. 793
Staňová, A. 438
Stark, J. 2306, 4072
Stedman, O. J. 3344
Steinback, K. E. 1894, 1905, 3295
Stemler, A. J. 1805
Stent, C. J. 1571
Stephen, N. H. 362, 4014
Stephens, C. G. 1079
Stephens, D. S. 1229
Stephens, R. J. 601, 1259
Štěrba, R. 526, 806
Sterk, A. A. 2889
Stevens, K. L. 1173
Stevens, P. A. 1756
Steward, K. K. 781
Stewart, G. R. 3604
Stewart, T. E. 4030
Stewart, T. J. 4059
Stewart, W. L. 2076
Stiles, D. A. 3031
Stiling, P. D. 246, 2224
Still, G. G. 617
Stillman, S. L. 491
Stinner, B. R. 2592
Stirban, M. 2113
Stobbe, E. H. 204, 888
Stöber, I. 3023
Stoilov, D. 3495
Stoimenova, I. 1954, 2367
Stojanović, D. 1166
Stolarek, J. 2609
Stoller, E. W. 3639
Stone, A. R. 2939
Stone, J. F. 4054
Stonebridge, W. C. 999
Stott, B. 170
Stott, D. E. 4062
Strachan, S. D. 3008
Strain, B. R. 1425
Strand, O. E. 1737
Stratton, G. W. 646, 2311
Street, J. C. 922
Street, J. E. 1776, 2015
Streibig, J. C. 632, 960
Strek, H. J. 3099
Striegel, W. L. 2766
Strik, J. J. T. W. A. 3670
Stroube, E. W. 1389, 1635
Struckmann, E. 3872
Stryckers, J. 351, 1986, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2009, 2021, 2022, 2023, 2036, 2037, 2038, 2039, 2040, 2047, 2048, 2049, 2064, 2071, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2105, 2111, 2134, 2324, 2333, 2436, 2805, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3409, 3410, 3411, 3434, 3731, 3792, 3793, 3794, 3795, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3844, 3845, 3846, 3848, 3853, 3854, 3855, 3860, 3891
Stubbendieck, J. 1058
Stüber, H. 3870
Stucky, J. M. 3208
Studt, D. M. 1299
Stulen, I. 825, 2158, 3217, 3218
Sturges, D. L. 198
Stuth, J. W. 1054
Styer, D. J. 2940
Suaghara, S. 2891
Suárez, A. 4075
Subach, D. J. 2264
Subagja, J. 1569, 2659
Subba Rao, D. V. 1016
Subramanian, A. 1991
Sugandi, E. 988
Sugawara, S. 2891, 3571, 3876, 3932
Sugha, S. K. 2329
Suhargiyanto, K. 3366
Suhirman 700
Sukasman 1369
Sukhoparova, V. P. 289
Sullivan, D. S. 3327, 3328
Sullivan, E. F. 1037
Sullivan, J. C. 845
Sullivan, T. P. 3327, 3328
Sultan, A. M. 2772
Sultanov, A. S. 4005
Sumer Chand 1989
Sumida, S. 1250, 2620
Summers, D. D. B. 2939
Summers, L. A. 278, 2249
Sumner, D. D. 1931
Sumner, D. R. 2077
Sundar, K. R. 3056
Sundaru, M. 700, 2982, 3366
Sundqvist, C. 1510
Suresh Chand 1197
Suryatna, E. 700
Susiawaningrini, D. P. 984
Susilo, S. 700, 3366
Süss, A. 1950
Suter, R. 923
Suteri, B. D. 599
Sutherland, R. G. 2243
Sutrisno 3366
Sutton, D. L. 793, 3726
Suwanketnikom, R. 1204
Suzuki, S. 186, 2253, 2254, 3622
Suzuki, T. 1198, 1900, 1938
Svensson, A. 4116
Svensson, R. 765, 3847
Svyatskaya, L. N. 1577
Swami, K. S. 1583
Swanson, H. R. 2990
Swarbrick, J. T. 2887
Sweet, R. D. 92, 360, 3838, 3892
Sweetser, P. B. 2996
Switzer, C. 74
Sykes, S. R. 741
Szabó, L. 283
Szalay, L. 2998
Szalay, P. 96
Szigeti, Z. 255
Szymczak, J. 1009, 1010
Tabbache, S. 2261
Tabolina, Yu. P. 616
Tabora, R. S. 3763
Tafuri, F. 623, 3661, 4064, 4077
Tag-El-Din, A. 1584, 2385
Tag El-Din, A. 2636
Tag-El-Din, A. 2636
Tagatz, M. E. 312
Taib, I. M. 517
Taimr, L. 2981
Taitte C., J. 3437
Taiwan, Asian Vegetable Research and Development Center 499
Takabayashi, M. 2570, 2864, 2911
Takahashi, K. 4086
Takaki, M. 1404
Takatsuki, K. 2253, 2254
Takematsu, T. 1272, 2614
Takemoto, B. 3600
Takemoto, I. 2620
Takeuchi, Y. 1272
Talatala, R. L. 1122
Talbert, R. 2753
Talbert, R. E. 1240, 1662, 1946, 3109
Taleva, A. 1954, 2367
Talukdar, S. 844
Tam, T. Y. 1956
Tamai, F. 2982, 3225
Tames, R. S. 2875
Tamez, S. 95, 181, 2532
Tanabe, T. 2982, 3225
Tanaka, F. 3000
Tanaka, F. S. 1239, 4066
Tanaka, H. 3166
Tanaka, O. 3274
Tanaka, T. 554, 2594
Tanaka, T. S. 2292
Tanczos, O. G. 2184
Tang, C.-S. 3626
Tanguy, A. 2693
Tanimoto, T. 216
Tanko, Y. M. 729
Tanskiĭ, V. I. 3365
Tantawy, G. 2636
Tanyag, A. 3791
Tappeiner, J. C., II 3177
Tarasova, O. M. 523
Taratorin, A. S. 682, 1577
Tarkhanyan, G. K. 1026
Tarlok Singh 2326
Tarmani, P. 135
Tasic, R. C. 1021
Tasistro, A. 1607, 1608, 1610, 1614, 1668, 1669, 1671, 1768, 1769, 2008, 2310
Tasistro, A. S. 2362
Taştan, B. 2411, 2426
Tate, T. M. 3319
Tatsuyama, K. 333
Tayade, D. S. 2325
Tayebi, K. 1641
Tayler, P. N. 710
Taylor, F. E. 1515, 3002
Taylor, M. J. 3703
Taylor, R. L. 2881, 2882
Taylor, R. W. 3775, 3781
Taylor, T. D. 1293
Taylor, W. A. 1571
Taylorson, R. B. 186, 3622
Tazaki, S. 1103
Tazik, P. P. 3182
TeBeest, D. O. 3985
Teem, D. H. 1301, 2370, 2869
Teixeira, A. S. 974
Tel'nov, N. I. 464
Templeton, G. E. 1169, 2951, 3974, 3977, 3985
Tena, M. 4083
Teramura, A. H. 1425
Terasawa, T. 2521, 2522, 2893
Tercé, M. 1944, 2279, 2280, 2281, 2282
Terhune, E. 4
Teriokhim, E. S. 1149
Terpó-Pomogyi, M. 3201
Terrell, E. E. 3593
Terry, P. J. 161, 3366
Tesfai, K. 940
Testini, C. 3343
Tewari, A. N. 2326, 2327, 2328
Tewari, S. N. 4030
Tezel, C. 2346
Thakre, S. K. 441, 442, 556
Thalheim, G. 2043
Theander, O. 1949
Theriot, E. A. 3272
Theriot, R. F. 3272
Thibault, J. R. 3931
Thicoïpé, J. P. 72, 93
Thiebot, M. 2683
Thill, D. C. 3889, 3941, 4097
Thirunavukkarasu, A. 4018
Thohari, M. 984
Thoman, C. J. 1902
Thomas, B. 376, 686
Thomas, C. M. S. 125
Thomas, G. A. 560
Thomas, K. J. 1457
Thomas, P. A. 2222
Thomas, P. E. L. 1121, 3527
Thommen, G. H. 1461
Thompson, A. 2792, 2816
Thompson, D. F. 189
Thompson, D. R. 533
Thompson, J. E. 270, 1965
Thompson, J. F. 2624, 3009
Thompson, L., Jr. 2758, 2903, 3423, 3424
Thompson, L. K. 3998
Thompson, N. P. 1219, 2631, 3660
Thompson, R. 125
Thompson, R. P. 1213, 1214
Thompson, T. 1264
Thomson, J. 117
Thomson, J. A. 2975

Thontadarya, T. S. 1993
Thorday, P. R. 800
Thoreson, M. C. 2164
Thornton, M. E. 2351
Thornton, R. E. 3803
Thorstensson, D. 4106
Threewitt, T. 1622
Threewitt, T. B. 1293
Thresh, J. M. 2939
Thullen, R. J. 997, 3910
Thurlow, D. L. 2744
Thurman, L. D. 2173
Thurston, J. R. 3928
Ticotah, J. 1333
Tikhon, Zh. K. 2596
Tillkes, M. 3011
Timme, G. 1941
Tinnin, R. 3602
Tipker, J. 2615
Tittle, F. L. 3988
Tiwari, J. P. 2919
Tjitrosoedirdjo, S. 700, 3366
Tkachenko, A. L. 32
Tkemaladze, G. S. 1498
Tobola, P. 740
Tock, R. 4121
Tokhtar', K. I. 437
Tokunaga, H. 208
Tollervey, F. E. 395, 396, 397, 398, 399
Toma, L. D. 624
Tomann, A. 923
Tombu, B. 2698
Tomihisa, Y. 2523
Tominaga, T. 829
Tomley, A. 2852
Tomley, A. J. 1856, 2969
Tommerup, I. C. 1959
Tomoroga, P. 29, 2384
Tomsic, J. 3037
Tondeur, Y. 3308
Tooby, T. E. 307
Torre, G. della 3444
Torres, E. 1607, 1774
Torres M., J. 1703
Torstensson, L. 654, 4072, 4081
Torstensson, N. T. L. 1949, 2306
Tortolero, O. 3607
Tosh, G. C. 1988, 1992, 2326, 2327, 2328, 2774, 3403, 3407
Tosi, L. 3444
Toskov, N. 666, 1245
Toth, J. 719, 1013, 2802
Tothill, J. C. 2550
Totterdell, S. 1402, 1403
Tottman, D. R. 3387
Tournamille, J. 1936
Tournayre, J. C. 122
Towerton, J. 426
Toyooka, H. 3876
Trapaidze, A. S. 1090
Trapeznikov, V. P. 466
Trask, A. B. 2939
Treccani, V. 3682
Treml', A. G. 655
Tremola, M. G. 1647
Trenchev, G. 2973
Trenck, T. v. d. 1503
Tresnitskiĭ, B. G. 459
Trespeuch, J. 122
Trevors, J. T. 933, 1956, 1965
Trinajstić, I. 1130, 2920
Trinh Thi Lang 2290
Trinidad and Tobago, Commonwealth Institute of Biological Control 3961
Tripathi, R. S. 1780, 1801, 1802, 3537
Tripathi, S. S. 2326
Trivedi, G. C. 2700
Trivedi, V. B. 3081
Tr"nkov, I. 1606
Tromas, C. 3083
Tropea, M. 258
Troutman, B. C. 2130
True, R. H. 469
Truelove, B. 4015
Trunkenboltz, M. 23, 80, 760, 3162
Tsao, I. S. 1738
Tsikov, V. S. 434
Tsirkov, I. 666, 1245
Tsoĭ, Z. I. 262
Tsuchiya, T. 1763
Tu, C. M. 662
Tucker, C. S. 946, 977, 1424
Tucker, D. P. H. 129
Tucker, G. G. 1263
Tuganaev, V. V. 1447
Tukhtaev, S. 2664
Tulikov, A. M. 694, 2143
Tulloch, A. P. 1470
Tulupova, M. Yu. 945
Turaev, É. T. 235
Turanto S. 3366
Turkey, Zirae Mücadele ve Zirai Karantina Genel Müdürlüğü, Araştırma Dairesi Başkanlığı 2060
Turkey, Zirai Mücadele ve Zirai Kanantina Genel Müdürlüğü, Araştırma Dairesi Başkanlığı 2339
Turkey, Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü, Araştırma Dairesi Başkanlığı 2042, 2059, 2108, 2344, 2391, 2394, 2411
Turkey, Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü, Araştırma Dairesi Başkanlığı 2426
Turkey, Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü, Araştırma Dairesi Başkanlığı 2430, 2449, 3861
Turner, D. J. 630, 673, 3703
Turner, P. E. T. 1364, 3498
Turner, S. K. 2204
Tutte, D. F. 2611
Twu, L. T. 1105
Tydens, N. M. 1600
Ueckert, D. E. 580
Ueckert, D. N. 2593, 3461
Ueki, K. 555, 807, 2484, 2525, 2534, 3230, 3248
Uglov, V. A. 590
Uhl, C. 1794
Uhrig, H. 1201
UK, Agricultural Development and Advisory Service 3446, 3465, 3478, 3483
UK, Agricultural Research Council, Weed Research Organization 1473, 2187, 2468, 2469, 2565, 2569
UK, Arthur Rickwood Experimental Husbandry Farm 470, 1036
UK, British Agrochemicals Association 1262
UK, British Waterways Board 786
UK, East Malling Research Station 125
UK, Government Statistical Service 379, 3356
UK, Intermediate Technology Development Group, Agriculture Panel 152
UK, Ministry of Agriculture, Fisheries and Food 3071
UK, Ministry of Agriculture, Fisheries and Food, Agricultural Development and Advisory Service 3479
UK, Ministry of Agriculture, Fisheries and Food, Agricultural Science Service 3171, 3355, 3654, 3658, 3663, 3677, 3698
UK, National Institute of Agricultural Engineering 4092
UK, National Vegetable Research Station 1128, 1132, 1203, 1234, 1663
UK, Norfolk Agricultural Station 2041
UK, Northern Ireland, Horticultural Centre, Loughgall 2799, 2813
UK, Plant Breeding Institute 3096
UK, Processors' and Growers' Research Organisation 24, 81
UK, Rosewarne and Isles of Scilly Experimental Horticulture Stations 497, 502
UK, Rothamsted Experimental Station 1948, 3388, 3430, 3683, 3704
UK, Scottish Horticultural Research Institute 1589, 1689, 1747, 2149
UK, Stockbridge House Experimental Horticulture Station 3161
UK, Welsh Plant Breeding Station 2070
UK, West of Scotland Agricultural College 489, 625, 626
UK, Wye College, Department of Hop Research 3868
Ulinici, A. 1637
Ulug, E. 2042, 2060, 2108
Uluğ, E. 2391, 2426, 2430
Ulvovszchi, C. 3134
Ul'yanova, T. N. 1129
Umeda, K. 727, 2028
Umeki, Y. 3230
Umpelby, R. A. 973
Umrani, N. K. 561
Ung, S. H. 1168, 1846
Unglaub, H. 2738
Ungurean, L. 1815
Ungureanu, L. 2699
Upadhyay, U. C. 1990, 2325, 2327, 2328, 2371
Upadhyaya, M. K. 269, 1397, 3531, 3627
Uppal, R. P. 3675
Urbach, W. 3633
USA, Columbia National Fisheries Research Laboratory 3321
USA, General Accounting Office, Community and Economic Development Division 1078
USA, US Department of the Interior, Fish and Wildlife Service 3320
USA, Veterans Administration, Washington, D. C. 2271
Ushizawa, R. 187, 3904
USSR, Akademiya Nauk Uzbekskoĭ SSR 3884
USSR, Ministerstvo Rybnogo Khazyaĭstva SSSR 3884
Utomo, I. H. 700, 986, 3366
Utsch, G. R. 587
Uyemoto, J. K. 3263
Uzun, A. 2340, 2347, 2395
Vaid, K. M. 1112
Valdés L., R. 487
Valenta, P. 2256, 2627
Valenzuela C., C. 1243
Valera G., A. I. 366
Valette, J. C. 2831, 2836, 2837, 2840, 2841, 2842
Vallejo R., R. 3807
Valyaev, V. V. 286
Vanden Born, W. H. 2610, 3291
Vanderlip, R. L. 1736
VanderZee, D. 2485
Vandeventer, J. W. 3912
Vanin, D. E. 557
Vanterpool, T. C. 2191, 2192
Varatharajan, R. 3265
Vardabasso, A. 1647
Varela G., R. 3807
Vargas, A. 3412
Varghese, K. C. 2979
Vasconcellos-Neto, J. 2213
Vasconcelos, M. T. 1106
Vasconcelos, T. 2487, 2849
Vasil'chenko, O. N. 792
Vasilevskaya, V. K. 1149
Vasilieva, A. V. 2226
Vásquez, E. O. 3435
Vass, I. 894, 3632
Vassilev, G. N. 1212
Vassileva, V. S. 1212
Vaswani, L. K. 1990
Vasyura, V. P. 2061
Vaughan, R. H. 3737
Vaverková, Š. 1505
Vavricka, E. J. 2266
Vazzana, C. 386, 2303, 2714
Véber, K. 3324
Vecchio, V. 386, 2303, 2714, 3286
Veenstra, H. 3366
Veenstra, M. A. 1274
Veeraraghavaiah, C. 476
Veerasekaran, P. 2825
Vega, A. 3219
Vekshin, B. S. 479, 774, 2401, 2457
Veletskiĭ, I. N. 668, 678
Velev, B. 2427
Velloso, J. A. R. O. 34, 35
Veluthambi, K. 3605
Venereo, R. 1073
Venin, G. 3493
Venis, M. A. 4028
Venkata Ram, C. S. 1699
Venkateswarlu, M. 2328
Venkateswarlu, M. S. 454
Venu, P. 3079
Verdecía G., J. 2494
Vere, D. T. 691, 1265, 2406
Vereb, A. 3706
Vergniaud, P. 87, 760
Verhagen, L. 1400
Verity, J. 1514, 2228, 2237
Verma, R. S. 1330
Verma, S. N. 2325
Verma, S. P. 3675
Vermaas, W. F. J. 256, 4007
Vermeulen, N. M. J. 4037
Vernie, F. 3085
Vernou, P. de 3506
Versteeg, W. 2103
Verstraete, W. 351
Vesecky, J. F. 1274
Veselovskiĭ, I. V. 1300
Veselský, L. 1013
Vian, W. E. 3095
Vianello, A. 621
Vicente, T. 500
Victoria Filho, R. 2826, 3107
Vidal, R. 2701
Vidrine, P. R. 3145
Vierssen, W. van 3195, 3254
Vigoureux, A. 2671
Vijay Kumar 1990
Viljoen, B. D. 490, 3525
Villanueva, M. R. 1122
Vinagrera, E. S. 2757
Vincent, G. 2808
Vintilă, R. 2113
Vinzant, B. 1264
Virant, M. S. 1912
Virgin, H. I. 1510
Visi, E. 281, 283
Visser, J. 3257
Visser, J. H. 593, 596, 1017, 3391, 3760
Viswanathan, R. 4032
Vita, M. de 1680
Vitanov, A. D. 90
Vitolo, D. 45, 76, 3777, 3801
Vivekanandan, M. 909
Vlasenko, A. N. 1011
Vlasova, E. P. 25
Vockel, D. 4063
Voevodin, A. V. 742, 1246, 3365
Voges, M. 3234
Vohra, S. C. A. 865
Voigt, H. 3234
Volford, J. 3007
Volk, V. V. 1951
Volk, V. van 2247
Volkotrub, É. N. 655
Volkotrub, Z. N. 522
Volkov, A. 3134
Volynets, A. P. 2596
Volynkin, V. A. 569

Vongsaroj, P. 2379
Vore, R. 2682
Vore, R. E. 6, 13, 14, 50, 84, 206, 371, 465, 482, 529, 746, 3817
Vorob'ev, N. E. 567
Voronin, K. E. 3365
Vorster, M. 588
Vos, B. J. de 291
Votoupal, B. 2046
Vrabel, T. E. 3838
Vries, Y. de 1453
Vrochinskiĭ, K. K. 4067
Vukičević, R. 1008
Vukmirović, M. 3494
Vullioud, P. 843
Vulsteke, G. 1348, 1677
Vyanjane, N. T. 2325
Wace, N. M. 989
Wade, N. L. 1919, 3657
Wade, P. M. 308
Wagner, E. 3556
Wagner, J. 4058
Wagner, W. 3870
Wahl, P. W. 582
Wain, R. J. 1523
Wain, R. L. 1523
Wainhouse, D. 2939
Waithaka, J. M. 163
Wakefield, R. C. 178, 3821
Wakeford, B. 2258
Walia, U. S. 2326
Walker, A. 1234, 1514, 2228, 2237, 2275, 2278
Walker, C. R. 1221
Walker, D. H. 1229
Walker, H. L. 1164, 1839, 2196, 3975
Walker, J. 2417
Walker, R. H. 2744, 2750, 3419, 3427, 3428
Walker, S. R. 1012, 1638, 2662
Wallen, V. R. 1585
Waller, G. R. 2910
Wallgren, B. 574
Wallinder, C. J. 1662
Wallmüller, F. 1070
Wallnöfer, P. R. 345, 1955, 2645, 3050, 3052
Walsh, W. C. 1886
Walstad, J. D. 3038
Walter, H. 181, 3582
Walther, K. H. 1070
Walton, C. A. 2234
Wang, C. C. 674, 2308, 2309, 3689, 4085
Wang, K. 1740
Wang, T. T. 1984
Wang, Z. D. 1984
Wangberg, J. K. 878, 3986
Wapshere, A. J. 1487, 1853
Warcholińska, A. U. 1764
Ward, C. H. 813
Ware, G. W. 642
Warholic, D. T. 360
Warmund, M. 2317
Warmund, M. R. 1351
Warren, H., III 1980
Warren, L. E. 3463
Warren, V. 1357, 1358
Wartelle, R. 2797
Wartiovaara, T. 2657
Warwick, S. I. 1439, 2611, 3547
Watajima, T. 2500
Watanabe, Y. 2533, 2863, 3114
Waterhouse, D. P. 1683
Watkinson, A. R. 3229
Watschke, T. L. 103, 114
Watson, A. K. 240, 1844, 1868, 2942, 2965
Watson, G. D. 1259
Watson, J. L. 1894
Watson, M. A. 3247, 3276
Watt, A. D. 2939
Watt, W. H. 2407
Wattenbarger, D. W. 2413
Watts, R. R. 2624, 3009
Wauchope, R. D. 4042
Wax, L. M. 1419, 3394
Way, M. J. 2939
Wcisło, H. 2932
Weakley, C. V. 1685
Webb, F. 717
Webb, R. 1177
Weber, H. C. 595
Weber, J. B. 3099, 3334, 4079
Webster, G. R. B. 3021, 3022
Webster, R. D. 2512
Wedeck, H. 3233
Wee, Y. C. 2811
Weed Science Society of Indonesia 3366
Weerts, P. G. J. 1427
Węgorek, W. 696
Węgrzyn, T. 944
Wehner, D. J. 113
Wehrlen, L. 1372, 2830
Weht, S. 1817
Wehtje, G. 924
Weidenfeller, T. A. 1718, 1719
Weigel, R. C. 1276
Weil, R. R. 559
Weinberger, P. 1517
Weinmann, W. D. 1536
Weisburger, E. K. 1222
Weiss, J. 1513
Weiss, P. W. 1108, 2489, 2513, 2514, 3249
Welker, W. V. 127, 369, 3183
Weller, S. C. 2665, 3852
Wells, G. J. 2899
Wells, J. W. 3565
Wells, M. J. 3554
Welterlen, M. S. 103
Welty, L. E. 3453
Weng, W. P. 3175
Werder, U. 974
Werner, F. G. 2198
Werth, C. R. 1151
Wesołowski, M. 48, 188
West, S. D. 1533
West, T. M. 272, 3005, 3299
Westinga, E. 1760
Westlake, D. F. 218, 1461
Westra, P. 1030, 1091, 3003
Westra, P. H. 1271
Wetala, M. P. E. 3191
Wetzel, R. G. 546, 1438, 3253
Wetzler, C. 3150
Whatley, L. L. 2752
Wheatley, W. M. 2467
Wheeler, A. W. 3704
Wheeler, B. D. 3245
Wheeler, B. E. J. 2939
Wheeler, W. B. 2631, 3660
Whipple, C. 1221
Whitcomb, C. E. 2905
White, A. H. 1913
White, E. 1568
White, G. C. 2939
White, G. G. 1840
White, J. G. H. 812, 3909
White, M. 957
White, R. 811
Whitesides, R. E. 802
Whitney, A. S. 4065
Whitney, P. J. 2491
Whitson, R. E. 580, 1983
Whittaker, J. B. 2219, 2220, 3617
Whitwell, J. D. 1346, 3161
Whitwell, T. 1775, 2744, 3419
Whitworth, J. W. 3869
Wicks, G. A. 1278, 1602, 3094
Widell, K-O. 1510
Widholm, J. 3646
Widyanto, L. S. 700, 979, 980, 981, 982, 3366
Wiedemann, H. T. 777
Wien, R. G. 1239, 2292, 4066
Wiens, D. 3259
Wiepke, T. 3930
Wiese, A. F. 1390
Wiese, A. P. 3239
Wijewardene, R. 2681
Wilcockson, S. J. 1329
Wilcox, E. J. 1523
Wilde, E. W. 1084
Wiles, T. L. 1632
Wilhm, J. L. 3164
Wilkins, R. M. 1375
Wilkinson, R. E. 261, 2992, 3292, 3293
Willemsen, R. W. 1661
Willén, E. 1727
William, R. D. 1480
Williams, C. S. 3224, 3418, 3425
Williams, C. T. 2939
Williams, D. E. 3157
Williams, G. 2509
Williams, G. H. 3458
Williams, J. L., Jr. 831, 1119
Williams, M. C. 803
Williams, P. A. 2179
Williams, R. D. 3279, 3545
Williams, T. E. 2777
Williamson, J. E. 1535
Willis, L. D., Jr. 3120, 3121
Willis, M. D. 2095, 2803
Wills, G. D. 900
Wilson, A. K. 1741
Wilson, A. M. 919
Wilson, B. F. 2553
Wilson, B. J. 573, 693, 2502, 3561
Wilson, Bruce J. 2710
Wilson, G. J. 2423, 2816
Wilson, H. P. 3754
Wilson, K. I. 2190
Wilson, R. 1221
Wilson, R. E. 2466
Wilson, R. G. 721, 1050, 1058, 1969, 1971, 2782, 3679
Wilson, R. G., Jr. 2868
Winder, J. A. 2214
Winfield, R. J. 710
Wing, R. E. 1572
Wingfield, G. I. 952
Winkel, A. 2690
Winkle, M. E. 712, 955
Winkler, R. 4058
Winkler, V. W. 1922
Winteringham, F. P. W. 3688
Wirjahardja, S. 985, 3366
Wiroatmodjo, J. 700, 3366
Wiseman, J. S. 1589, 2149, 3431, 3482, 3484
Wisłowska, E. 1035
Witt, W. W. 1206, 1209, 2747, 3416
Wittmuss, H. D. 2266
Wlosinski, J. H. 1929
Wöhler, B. 4082
Woldendorp, J. W. 861
Wolf, M. 2626, 2649
Wolff, N. 2298
Wolverton, B. C. 3358, 3721
Wong, P. W. 1076, 3175
Wong, S. H. 3160
Wong, S. P. 1926
Woodbridge, A. P. 2634, 2635, 2646, 2651
Woodbury, W. 204
Woodhead, S. H. 1490
Woodrow, J. E. 637, 3650
Woofter, H. D. 3727
Woolhouse, H. W. 3202
Woollam, C. J. 2255
Woolson, E. A. 4038
Work, T. M. 469
Worobey, B. L. 3021, 3022
Worsham, A. D. 2323, 3208, 3648
Worsley, K. J. 2638
Worthington, J. P. 724, 726
Wozniak, H. 215
Wright, A. D. 1382, 2207
Wright, A. N. 2634, 2635, 2646, 2651
Wright, G. C. 2572
Wright, H. A. 810, 851, 3827, 3901, 3952
Wright, J. P. 3996
Wright, S. J. L. 1957, 4013
Wu, T. L. 296
Wulff, C. 3236, 3575, 3958
Wullschleger, S. D. 1148
Wyse, D. L. 1030, 1271, 1431, 1617, 2749, 3003, 3153, 3222
Wytsma, J. M. 1937
Xavier, F. E. 2025
Yadav, A. S. 1801, 3537
Yadav, B. G. 681
Yadav, B. R. D. 2970
Yadav, D. 26
Yadav, N. K. 1545
Yadava, P. K. 1578
Yaduraju, N. T. 1327, 1451, 1475, 1988, 1992, 2325, 2326, 2327, 2329, 3318
Yakimova, Ya 1044
Yakubovich, A. D. 742
Yamagishi, T. 3166, 4047
Yamakawa, S. 2525
Yamamoto, H. 333, 3584
Yamasue, Y. 807, 2484
Yambe, Y. 1960
Yamchuk, A. V. 2056
Yang, C. P. 3044
Yang, Q.-L. 3597
Yang, S. J. 591
Yaraguntaiah, R. C. 598
Yarborough, D. E. 118, 120, 769, 2106
Yaron, B. 1241
Yasrebi, J. 3641
Yates, C. W. 3544
Yates, W. E. 358
Yayock, J. Y. 1736
Yeo, R. R. 3928
Yeoh, C. H. 1370
Yepes, J. H. 3567, 3701
Yokoyama, K. 3876
Yonce, H. D. 3414
Yoo, J. Y. 661
Yopp, J. H. 3281
York, A. C. 961
Yoshida, R. 1250, 2620
You, I.-S. 1236, 3331
Young, A. L. 2270, 3667
Young, C.-C. 3626
Young, D. 724
Young-Duck, Ha 1530
Young, F. L. 1431, 1617, 2162, 3222, 3897
Young, G. R. 3960
Young, I. 2356
Young, J. A. 815, 2146, 4124
Young, J. F. 2259
Young, R. S. 127
Younis, H. M. 899
Yousif, M. A. 2070
Youssef, A. 615, 2601
Yu, B. S. 591
Yu, C. A. 4007
Yugai, M.R. 2664
Yun, I. S. 1672
Yun, S. G. 3824
Yunus, A. 1168, 1846
Yuskardina 700, 3366
Zach, R. W. 3311
Zacher, H. 3997
Zagoruĭko, Yu. T. 3812
Zahidul Hoque, M. 447
Zahradnik, J. 3324
Zaĭtsev, V. G. 3365
Zakar, F. 283
Zakaria, M. A. 700, 3366
Zakharenko, V. A. 690
Zakharov, A. M. 2401
Zambrano, C. 3607
Zandvoort, R. 2273, 3051
Zanin, G. 3286
Zanoni, L. 297
Zanstra, P. E. 3954
Zaprzalka, J. R. 3822, 3916
Zaragoza, C. 1793, 2867, 2884
Zaragoza L., C. 2107
Zazzerini, A. 3444
Zbieć, I. I. 895, 4009
Zdinak, A. 794, 1732
Zehr, C. L. 2318
Zehr, E. I. 2941
Zele, W. van 3017
Zelenina, M. F. 292, 926, 3312
Zemánek, J. 175, 429, 526, 806, 2132, 3933
Zemskaya, V. A. 249
Zende, N. 2329
Zettler, F. W. 1835
Zeyer, J. 1242, 2300
Zhang, T. X. 1984
Zhelev, A. 1694
Zhemchuzhin, S. G. 287
Zheng, Y.-R. 3597
Zhukova, P. S. 496

Zhuravleva, L. A. 3749
Ziegler, W. 3050
Ziemkiewicz, P. F. 537
Zilkah, S. 3672
Zilkey, B. F. 2062, 2775
Zimbabwe, Department of Research and Specialist Services, Division of Livestock and Pastures 1723, 1724, 2126
Zimdahl, R. L. 2278
Zimmergren, D. 2874
Zimmermann, H. G. 1053, 1862, 2197, 3525
Zinchenko, V. A. 616
Zitzewitz, W. von 995, 3587
Zizzo, G. 1680
Zoebelein, G. 2679
Zoghlami, M. 2723
Zolfaghari, R. 3722
Zolotukhin, A. I. 1781
Zon, J. C. J. van 1730
Zorrilla, J. M. 2399
Zschaler, H. 3351
Zsoldos, F. 3991
Zubenko, V. F. 3365
Zulfadli, M. 700, 3366
Zulueta y Artaloytia, J. de 1080
Zuza, V. S. 40, 340, 557
Zvara, J. von 605
Zweep, W. van der 58
Zweig, G. 280, 4030
Zych, M. 1604, 1605

SUBJECT INDEX

Abscisic acid 907, 2875, 3275, 3998
Acetaldehyde hydrate, trichloro- (*see* Chloral hydrate)
Acetamide, *N*-allyl-2,2-dichloro-*N*-(3,3-dichloroallyl)- 712
Acetamide, *N,N*-diallychloro- (*see* Allidochlor)
Acetamide, *N,N*-diallyl-2,2-dichloro- 14, 176, 360, 712, 1199, 1258, 1295, 1361, 1615, 1617, 1620, 2337, 2410, 2685, 2712, 2716, 2718, 2726, 3152, 3188, 3393, 3394, 3447, 3638, 3755, 3762
Acetamide, *N,N*-diallyl-2,2-dimethyl- 1595, 2368
Acetamide, α,α-dichloro-*N*-(3-chloronaphthoquinon-2-yl)- (*see* Quinonamid)
Acetamide, *N,N*-dimethyl-α,α-diphenyl- (*see* Diphenamid)
Acetanilides (*see* anilides, acet-)
Acetate, 1′-methylheptyl (4-amino-3,5-dichloro-6-fluoro-2-pyridyl)oxy- 3005, 3379
Acetate, phenylmercuric 507
Acetic acid 564
Acetic acid, 4-chloro-2-methylphenoxy- (*see* MCPA)
Acetic acid, *N*-chloroacetyl-*N*-(2,6-diethylphenyl)amino- (*see* Diethatyl)
Acetic acid, ethylenediamine-di-*o*-hydroxyphenyl- 1760, 3620
Acetic acid, ethylenediaminetetra- 3620
Acetic acid, indolyl- (*see* IAA)
Acetic acid, 2-naphthoxy- 3011
Acetic acid, naphthyl-, *see* NAA
Acetic acid, trichloro- (*see* TCA)
Acetic acid, 2,3,6-trichlorophenyl- (*see* Chlorfenac)
Acetic acids, phenoxy- 427, 815, 3014, 3016
Acetochlor 176
  soil relations
    adsorption 3334
    organic matter 3334
    structure 718
    type 3334
  usage
    antidotes 718
    crops
      cereals 718, 1289, 1290, 2363, 3103
      pulses 4, 2746
      vegetable crops 1665
    mixtures 1289, 2746
Acetonitriles (*see* nitriles, aceto-)
Acifluorfen
  chemistry and properties, antagonism 3419
  physiological effects
    adsorption 3628
    climate 900, 956
    cytology 1899, 3635
      binding site 4008
    degradation 901, 2990
    metabolism
      fats 1899
      fatty acids 2231, 3635
      pigments 1899, 2231, 3635
    mode of action 1198, 1899, 2231, 2991, 3635
    penetration 3628, 4010
    photosynthesis 4008
    translocation 900, 901, 956, 1032, 2986, 3628, 4010
    uptake 900, 901, 956
  residues, atmosphere 3439
  soil relations
    degradation, vaporization 1032
    microbial activities, nitrogen fixation 1671, 2310
  usage
    additives 1299, 2986, 3120
    application 1575
      methods 33, 723, 2662

Acifluorfen *contd.*
  usage *contd.*
    climate 900, 956, 3439
    compatibility, herbicides 3776, 3785, 4010
    crops
      cereals 272, 1299, 1311, 3375, 3765, 3985
      fibre crops 4
      forage crops 272, 746
      oilseed crops 272
      pulses 4, 33, 272, 399, 717, 723, 1028, 1031, 1032, 1315, 1575, 1635, 2025, 2384, 2685, 2747, 2750, 2751, 2752, 3120, 3414, 3415, 3419, 3422, 3423, 3424, 3425, 3775, 3776, 3779, 3788, 3985, 4118
      vegetable crops 81, 82, 272, 2080, 3466, 3635
    damage 1032, 3439
    economics 3779, 4118
    mixtures 4, 399, 746, 1032, 2025, 2750, 2751, 2752, 3086, 3375, 3419, 3422, 3424, 3776, 3785
      bentazone 3415
    selectivity 901, 4008
    sequences 1635, 3414, 3422, 3776, 4010
    weeds 900, 1389
Acrolein 1731, 3325, 3515
Acrylates, 2-cyano-3-(*N*-methylanilino)- 2621
Activated carbon 719
Africa 866
Alachlor
  chemistry and properties, antagonism 961
  formulation
    controlled release 1350, 3352
    emulsions 2716
    granules 3352
    tablets 3352
  physiological effects 4015
    cytology 2229, 3293
    genetics 4002
    metabolism
      carbohydrates 614
      enzymes 3634
    mode of action 1249, 3293
    morphology 2229, 4085
    uptake 955
  residues
    plant 1538, 3099
    soil 1538, 2687, 4040
    water 1220, 2266, 4040
  soil relations
    adsorption 3099, 3334
    degradation
      photolytic 4059
      vaporization 1032, 3099
    leaching 3352
    microbial activities
      ammonification 1566
      nitrification 1566
      nitrogen fixation 1631, 1671, 2308, 2309, 2310, 4085
    microorganisms 1954
      bacteria 664, 2367
      fungi 663, 664
    moisture 334, 2792
    organic matter 3099, 3334
    runoff 1220, 2266, 4040
    structure 718
    type 3334
  toxicology, man 4054
  usage
    antidotes 334, 712, 718, 1307, 2372, 3103, 3393, 3447, 3766, 4015
    application, methods 91, 499
    climate 1094, 3090
    compatibility
      fertilizers 721, 1971, 2315
      fungicides 2315
      growth regulators 3059, 3060
      herbicides 961, 2665
      insecticides 2315, 3059, 3060
    crops 997

Alachlor *contd.*
  usage *contd.*
    crops *contd.*
      cereals 14, 16, 17, 334, 397, 416, 712, 714, 718, 828, 1027, 1291, 1292, 1302, 1304, 1307, 1614, 1615, 1619, 2008, 2009, 2336, 2363, 2367, 2372, 2685, 2686, 2687, 2713, 2714, 2716, 2724, 3088, 3090, 3091, 3103, 3371, 3393, 3753, 3755, 3766, 3919
      fibre crops 737, 3059, 3060, 3371, 3437, 3807
      forage crops 3152, 3822
      lawns and sports turf 103
      oilseed crops 454, 729, 737, 1043, 1326, 1327, 1334, 1538, 1954, 2034, 2315, 2400, 2758
      ornamental crops 98, 100, 504, 764, 1350, 1352, 2438, 3352
      plantation crops 1370, 2826, 3498
      pulses 28, 29, 30, 31, 453, 499, 721, 722, 724, 726, 758, 1032, 1315, 1319, 1631, 1633, 1635, 1971, 1992, 2009, 2025, 2032, 2336, 2380, 2384, 2386, 2387, 2686, 2744, 2746, 2747, 3111, 3115, 3121, 3164, 3422, 3753, 3756, 3779, 3780, 3790
      root crops 465, 1330, 1331, 1643, 2044, 2685
      small fruits 2816
      vegetable crops 73, 75, 76, 77, 78, 83, 84, 91, 498, 1346, 1662, 1664, 1665, 1668, 1669, 1670, 2008, 2792, 2797, 3111, 3160, 3466
    damage 334, 1032, 1307, 1350, 1352, 3790
    diseases 721, 1325
    economics 453, 3779
    mixtures 17, 28, 29, 30, 31, 73, 83, 100, 397, 714, 722, 729, 758, 764, 1032, 1043, 1291, 1292, 1302, 1326, 1614, 1633, 1635, 1664, 1668, 1669, 1670, 1954, 2008, 2009, 2025, 2034, 2386, 2387, 2400, 2438, 2713, 2724, 2744, 2746, 2758, 2797, 2826, 3091, 3103, 3115, 3371, 3422, 3437, 3753, 3755, 3756, 3779, 3780
      atrazine 2337, 2367
      monolinuron 1304
    persistence 2337, 2686, 3885
    quality 737, 1670, 2367
      flavour 1670
    rates 955
    selectivity 1325, 1619, 2008
    sequences 76, 78, 729, 2758, 3422
    weeds 176, 1737
    yield 1304, 3111
Aldehyde, acryl- (*see* Acrolein)
Alkanoic acids, phenoxy- (*see* Carboxylic acids, phenoxyalkane-)
Allelopathins 1782, 1890, 3278, 3574, 3626, 3999
Allidochlor 2795
  usage, crops, vegetable crops 2795
Alloxydim
  analysis, bioassay 3307
  chemistry and properties
    antagonism 1038
    synergism 97
  physiological effects
    germination 702
    photosynthesis 3307
    respiration 3307
  residues, plant 2084
  usage
    additives 400, 3830
    compatibility
      herbicides 2040, 3736
      insecticides 3736
    crops 2333
      cereals 1598
      fibre crops 999, 2048, 3083
      forage crops 1599, 3083, 3735
      forests 2808, 3083
      grassland 2409, 3151
      medicinal herbs 97, 2058

Alloxydim *contd.*
usage *contd.*
crops *contd.*
oilseed crops 400, 402, 702, 738, 999, 1599, 3083, 3733, 3734, 3736, 3810
ornamental crops 2808, 3083
plantation crops 3083, 3483, 3868
pulses 24, 402, 702, 726, 999, 1034, 1038, 1599, 2022, 2740, 3083, 3410, 3733, 3734, 3735, 3736
root crops 400, 402, 702, 731, 738, 999, 1038, 1328, 1589, 1593, 1599, 2037, 2038, 3083, 3368, 3733, 3734, 3735, 3736
small fruits 1589, 1689, 2444, 2813, 3483, 3736, 3856
vegetable crops 68, 69, 81, 753, 760, 1589, 1677, 2080, 2084, 2420, 2805, 3162, 3735, 3736, 3830
damage 97
mixtures 97, 402, 731, 738, 760, 1034, 1038, 1328, 1677, 2022, 2038, 2048, 2080, 2420, 2813, 3735
persistence 4060
sequences 1593, 2022, 2037, 2038, 3162, 3410, 3830
Ametridione, usage, crops, cereals 1597
Ametryne
analysis, chromatography 1923, 3026
formulation, granules 3706
physiological effects
metabolism, pigments 3494
uptake 4000
residues, soil 4044
soil relations
degradation, microbial 1560
leaching 4075
toxicology, fish 2636
usage
application, methods 1296
compatibility
fertilizers 3706
insecticides 2636
crops
cereals 717, 1296, 2370, 3091, 3706, 3760
oilseed crops 456, 3124
plantation crops 135, 1073, 1363, 1365, 1702, 2115, 2116, 2826, 3496
pulses 2032
root crops 47, 2393, 3804
tree fruits 772
mixtures 47, 135, 456, 772, 1073, 1363, 2370, 2826, 3091, 3124, 3494, 3496, 3706
aminotriazole 2116
sequences 1073
weeds 857, 2987, 3391
wetters 717
Aminotriazole
analysis, colorimetry 2630
formulation 3697
physiological effects
adsorption 3697
exudation 1189
genetics 4003
metabolism
chlorophyll 909
enzymes 893, 909
pigments 909, 3494
photosynthesis 909
translocation 362, 1189, 3623
uptake 362, 1189, 3623, 3697
residues
plant 2630
soil 3051
soil relations
leaching 3051
pH 3697
type 3051
toxicology, fish 2636
usage
additives 362, 3697
application
equipment 1095
methods 799, 2127, 2463
climate 2858
crops
cereals 410, 2735
culinary herbs 96
forests 1079
Aminotriazole *contd.*
usage *contd.*
crops *contd.*
grassland 2406, 2786
medicinal herbs 479
plantation crops 1582, 2116
small fruits 123, 2105, 2821, 3488, 3489, 3491
tree fruits 771, 1360, 1697, 2112, 2449, 2821, 3862, 3863
vegetable crops 2792
mixtures 96, 123, 479, 798, 799, 1079, 1095, 1697, 2105, 2112, 2127, 2131, 2449, 2735, 2841, 3488, 3489, 3491, 3494, 3862, 3863
ametryne 2116
dalapon 2406
non-crop situations 1095, 2841, 2853
selectivity 4003
stubble 410
weeds 625, 798, 799, 2131, 3888
aquatic 2127
woody 2463
Aminotriazole + ammonium thiocyanate
usage
crops
forests 1372, 3510
small fruits 3490
tree fruits 2111, 3860
mixtures 2111
non-crop situations 1085
selectivity 1085
weeds, woody 1372
Ammonium sulphamate (*see* AMS)
AMS 1367, 1960, 2846
Anilide, *N*-(butoxymethyl)-α-chloro-2,6-diethylacet- (*see* Butachlor)
Anilide, α-chloro-2,6-diethyl-*N*-(methoxymethyl)acet- (*see* Alachlor)
Anilide, α-chloro-2,6-diethyl-*N*-(propoxyethyl)acet- 2377
Anilide, α-chloro-*N*-isopropylacet- (*see* Propachlor)
Anilide, α-(β-naphthoxy)propion- 2606, 3006
Anilides 1236
Anilides, acet- 961, 2246
Anilides, α-alkyl-α-cyanoacet- 2618
Anilides, α,α-dialkyl-α-cyanoacet- 2618
Anilides, dimethyl- (*see* xylidides)
Anilides, *o*-methylacet- (*see* toluidides)
Aniline, *N*-butyl-*N*-ethyl-2,6-dinitro-4-trifluoromethyl- (*see* Benfluralin)
Aniline, 3-chloro- 617
Aniline, 4-chloro- 289, 1503, 3021, 3022
Aniline, 2-chloro-6-nitro-3-phenoxy- 1211
Aniline, *N*-(2-chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)- (*see* Fluchloralin)
Aniline, *N*-cyclopropylmethyl-2,6-dinitro-*N*-propyl-4-trifluoromethyl- (*see* Profluralin)
Aniline, 3,4-dichloro- 289, 331, 617, 1236, 1503, 2649, 3008, 3331, 4070
Aniline, 5-diethylamino-4,6-dinitro-2-trifluoromethyl- (*see* Dinitramine)
Aniline, 2,6-dinitro-*N,N*-dipropyl-4-trifluoromethyl- (*see* Trifluralin)
Aniline, 2,6-dinitro-*N*-s-butyl-4-t-butyl- (*see* Butralin)
Aniline, *N*-ethyl-*N*-(2-methylallyl)-2,6-dinitro-4-trifluoromethyl- (*see* Ethalfluralin)
Aniline, 4-isopropyl-2,6-dinitro-*N,N*-(dipropyl)- (*see* Isopropalin)
Aniline, 4-(methylsulphonyl)-2,6-dinitro-*N,N*-dipropyl- (*see* Nitralin)
Anilines 1564
Anilines, dinitro- 651, 2057, 3769
Anilofos
soil relations
degradation 2738
leaching 2738
usage
crops, cereals 2738
mixtures 2738
Anisole, butylated hydroxy- 1965
Application
aerial 152, 518, 962, 1968, 3038, 3055, 3348, 3698
frilling 152, 179
girdling 1082
Application *contd.*
granular 668, 3067, 3348
impregnation 364, 367, 368, 369, 370, 371, 668, 679, 1316, 2029, 2131, 2745, 2748, 2749, 2814, 3798, 3818
incorporation 1323, 1575, 1619, 3187, 3422, 3759, 3777, 3787, 3819, 4095
incorporators 2861
irrigation water 394, 668, 772
placement 2125, 3187, 3639
precautions 318, 319, 320, 322, 323, 325, 326, 327, 328, 668, 1590, 1933, 2672, 3671, 4057
protective clothing 2641, 3671, 4054, 4055
roguing glove 223, 1077, 1724, 2131
rope wick 1362, 1701, 1976, 2029, 2316, 2404, 2408, 2669, 2670, 2745, 2748, 2749, 2814, 3066, 3117, 3353, 3710, 3732, 3815, 3818, 4098, 4106, 4107
safety 677, 786, 1683, 1924, 2672
sprayers 365, 676, 1590, 3711, 3712
agitation 3064
booms 367, 669, 678, 2667, 4092
calibration 668
experimental 1571, 1977, 1978, 1979
maintenance 668, 4100, 4101
nozzles 669, 670, 678, 964, 1036, 1576, 2660, 3129, 3348, 3349, 3350, 3503, 3698, 4099, 4104, 4105
recirculatory 33, 1976, 2029, 2745, 2748, 3064, 3710, 3798
small plot 1974, 3354
testing 355, 963, 2666, 4103, 4114
spraying 2131, 2663, 3054
band 1744
canopy penetration 3349, 4092, 4105
controlled drop application 81, 357, 358, 366, 367, 404, 962, 1095, 1259, 1610, 1975, 2362, 2463, 2662, 3065, 3703, 3709, 3710, 4092, 4100, 4101
deposition 965, 1571, 1968, 3349, 3703, 3708, 4104
drift 357, 366, 640, 668, 678, 962, 1333, 1968, 2419, 3348, 3349, 3696, 3698, 4102
droplet studies 355, 356, 358, 670, 678, 1036, 1259, 2661, 3348, 4092
electrostatic 1570, 1571, 3348, 3349, 3710, 4092, 4093, 4094, 4100
high volume 670, 3062, 3351, 3700, 3701
low volume 356, 417, 962, 2362, 3055, 3062, 3065, 3126, 3127, 3128, 3129, 3350, 3351, 3701, 3703, 3709, 3710, 3883, 4099
mist 152, 678, 1711
retention 962, 1036, 3129
spot 668, 2464, 3883
ultra-low volume 962, 1570, 2362, 3700, 3703, 3710
stump 518, 1726
tree injection 3879, 4108
tree injectors 152
Argentina
flora 3210, 3577
weed control, review 998
Armenian SSR, weed control, review 390
Arsenate 4038
Arsenate, potassium hexafluoro- (*see* Hexaflurate)
Arsenite 4038
Arsenite, sodium 1504, 2229
Arsinic acid, dimethyl (*see* Cacodylic acid)
Arsonate, disodium methyl- (*see* DSMA)
Arsonate, monosodium methyl- (*see* MSMA)
Arsonic acid, methyl- 4038
Asia, herbicide, review 699
Asulam
analysis
gas-liquid chromatography 2260
thin-layer chromatography 920
physiological effects 2688
metabolism
amino acids 1191
chlorophyll 1191
nucleic acids 2989, 4014
proteins 1191, 2989
mode of action 4014
photosynthesis 1191, 2989
translocation 362, 626
uptake 362

Asulam *contd.*
residues
plant 51, 1734, 3329
soil 2688
soil relations
microbial activities
nitrogen fixation 1049
soil enzymes 2307
usage
additives 173, 362
application, methods 173
crops
cereals 416, 3402
forage crops 61
forests 147, 775
grassland 173, 174, 180, 489, 1052
lawns and sports turf 105, 107
medicinal herbs 479
oilseed crops 51, 3433
ornamental crops 99, 3848
plantation crops 1363, 1365, 2825, 2826, 3496, 3499, 3866
rangeland 3154
small fruits 120
vegetable crops 68, 500, 1677, 2081, 2082, 2084, 2085, 2097, 3831, 3832, 3836, 3837
mixtures 51, 173, 479, 500, 1049, 1363, 1365, 1677, 2081, 2082, 2084, 2085, 2097, 2825, 2826, 3433, 3496, 3499, 3678, 3831, 3832, 3836, 3837
selectivity 3496
sequences 3832
Atraton 623, 3026, 4000
Atrazine 1618
analysis
bioassay 916, 2252, 3307, 4031, 4032
chromatography 321, 924, 925, 1218, 1535, 1923, 2628, 3026, 3028, 3314, 4037
gas-liquid chromatography 3048
mass spectrometry 1535
chemistry and properties
antagonism 1512
solubility 2247
synergism 438
formulation
flowable 2685
granules 3706
wettable powders 2685
physiological effects
cytology
binding site 267, 1897, 4007
chloroplast 267, 1202, 1905, 2236
degradation 2302
genetics 1202, 3643
germination 708
metabolism
amino acids 2010, 2611, 3295, 3392
carbohydrates 614, 2010, 3392
chlorophyll 255, 3392, 4007
enzymes 623, 893, 3630, 3634
minerals 1895
nitrogen 3053
non-protein nitrogen 2611
proteins 1897, 1905, 2010, 3295
mode of action 3295
penetration 254
photosynthesis 255, 1202, 1512, 1513, 1895, 2611, 3295, 3307, 4007, 4021
respiration 3307
uptake 254, 908, 955, 1512, 3053, 3642, 4000
residues
plant products 1225
soil 708, 732, 945, 1301, 1559, 1606, 1953, 2252, 2278, 2303, 2349, 2361, 2418, 2687, 2713, 3048, 3087, 3338, 3441, 3661, 3728, 4037, 4040, 4041, 4076, 4077
water 296, 924, 1220, 2266, 2267, 3324, 4040, 4080
soil relations 1962, 2313
adsorption 338, 1944, 1953, 3642, 3680, 4078
degradation 338, 1953, 2275, 2283, 2303, 3048, 3659
chemical 2652
microbial 2652
fertility 666, 3338, 4079
leaching 945, 1951, 2283, 4075
microbial activities 2302
ammonification 347

Atrazine *contd.*
soil relations *contd.*
microbial activities *contd.*
nitrification 347, 1567, 3053, 3682
soil enzymes 346, 1563, 3053, 3693, 3695
microorganisms 3691
algae 2311, 3682
bacteria 666, 2367, 2656, 3693
fungi 666, 2311, 3693, 4080
moisture 3680, 4079
organic matter 1944, 3338, 3680
pH 338, 2652, 3338, 4079
runoff 296, 1220, 1952, 2266, 4040
straw 1942, 1953
temperature 3680
type 1953, 3338, 4078
toxicology 3715
aquatic organisms 646, 2267, 2311, 3320, 3324
birds 1225
carcinogens 3674
environmental pollution 296, 2267, 3324, 4080
insects 2659
laboratory animals 925, 3314
man 321, 3314
mutagens 3326, 3673, 3674, 4004
soil mesofauna 1961, 1962
usage
additives 19, 1255, 1299, 2370, 3091, 3760
antidotes 1622
application
equipment 1095, 4099
methods 1293
climate 1301, 1606, 2361, 2714, 3338, 4079
compatibility 646
fertilizers 1305, 3706
herbicides 1512
crops
cereals 4, 14, 17, 18, 19, 397, 431, 433, 436, 437, 438, 439, 440, 443, 444, 445, 475, 713, 714, 715, 717, 1016, 1027, 1225, 1289, 1291, 1292, 1293, 1296, 1299, 1301, 1304, 1305, 1306, 1308, 1595, 1596, 1597, 1606, 1613, 1614, 1615, 1619, 1622, 1942, 1953, 1989, 1992, 2010, 2349, 2353, 2354, 2364, 2367, 2370, 2371, 2687, 2711, 2713, 2714, 2715, 2716, 2720, 2722, 2724, 2727, 3053, 3091, 3100, 3102, 3286, 3371, 3382, 3392, 3395, 3398, 3402, 3426, 3661, 3695, 3706, 3711, 3752, 3753, 3755, 3756, 3760, 3762, 3763, 4076, 4099
forage crops 55, 2383, 3838
forests 147, 347, 1079, 1376, 1716, 2831, 3509
grassland 1048
lawns and sports turf 2104
medicinal herbs 2457
oilseed crops 475, 1042, 1513, 1942, 2767, 3441
plantation crops 133, 1073, 1364, 1455, 2452, 3496, 3497, 3498, 3499
pulses 2711, 3413
rangeland 64
root crops 2364
small fruits 117, 2105, 3170, 3855
tree fruits 2111
vegetable crops 1667, 1677, 2082, 3832, 3838
cumulative effects 843
damage 445, 1301, 1308
economics 2354
energy conservation 1613
fertilizers 4079
irrigation 1609, 1989
legislation, approval schemes, Italy 3715

Atrazine *contd.*
usage *contd.*
mixtures 14, 17, 18, 19, 147, 176, 346, 397, 431, 433, 436, 439, 440, 443, 444, 475, 713, 714, 1017, 1027, 1079, 1095, 1255, 1289, 1291, 1292, 1293, 1296, 1364, 1376, 1596, 1597, 1614, 1622, 1677, 2082, 2105, 2111, 2370, 2452, 2656, 2713, 2714, 2715, 2720, 2722, 2724, 2727, 2831, 2841, 3091, 3093, 3100, 3371, 3496, 3497, 3499, 3706, 3711, 3753, 3756, 3762, 3832, 4099
alachlor 2337, 2367
cyanazine 1716
2,4-D 3509
EPTC 2337
ethalfluralin 2367
linuron 438, 2010
metolachlor 2337, 2364, 2367
monolinuron 438
non-crop situations 1095, 2841
persistence 338, 436, 1301, 1952, 2278, 2337, 2361, 2642, 3718, 4079
pests 951, 1964
quality 2367, 3392
rates 955, 1016
selectivity 1016, 1439, 2235, 3402, 3496, 3728, 4021
sequences 437, 713, 1048, 2371, 3832
weeds 176, 1017, 1386, 1389, 1396, 1439, 1896, 2235, 2987, 3391
wetters 674
yield 1304, 1613
Australia 989
flora 2467, 2922, 3370
herbicide, review 1592
weed control
book 3215
economics 691, 1265
recommendations 2467
review 1482, 1484, 1592, 1824, 2415, 3370, 3595, 3609
Azerbaïdzhan SSR, weed control, review 390
Azide, sodium 3531, 3627
Aziprotryne
residues
plant 641
soil 641
soil relations
fertility 496
pH 3677
usage
crops
forage crops 3458
oilseed crops 740
vegetable crops 73, 496, 641, 2420
damage 3458
mixtures 73, 740, 2420, 3839
sequences 73
Azoniaphenanthrene, 9,10-dihydro-8a,10a-di- (*see* Diquat)

Bangladesh, weed control, review 2331, 2374
Barbados, weed control, review 1591
Barban
chemistry and properties, synergism 3291
physiological effects
metabolism 3291
amino acids 1191
chlorophyll 1191
nucleic acids 2989
proteins 1191, 2989
penetration 3291
photosynthesis 1191, 2989
translocation 3291
soil relations, microbial activities, nitrification 1957
usage
climate 1601
compatibility, herbicides 1574, 1601, 3098, 4097
crops
cereals 12, 13, 426, 1006, 1283, 1597, 1601, 1603, 2357, 2710, 3098
grassland 1650, 2780
oilseed crops 2767, 3098
pulses 3770
vegetable crops 69

Barban *contd.*
usage *contd.*
mixtures 1006, 1089, 1574, 1597, 2767, 3098, 4097
sequences 426
weeds 1089
yield 2710, 2780
Benazolin
chemistry and properties, antagonism 2750, 3419
soil relations, microbial activities, soil enzymes 346
usage
compatibility, herbicides 2750
crops
cereals 1604
grassland 488
lawns and sports turf 765
oilseed crops 402, 474, 739, 3810, 3811
pulses 2750, 2752, 3419
economics 380
mixtures 346, 402, 488, 739, 765, 1604, 2750, 2752, 3419, 3811
quality 1604
Benfluralin
analysis, chromatography 3024
residues, plant products 929
soil relations
microbial activities, nitrogen fixation 1049, 1247
microorganisms
bacteria 1247
fungi 1248
usage
climate 3168
crops
forage crops 747, 1339, 2410, 3454
grassland 481
lawns and sports turf 102, 103, 508, 3167, 3168, 3169
oilseed crops 2034, 2758
tree fruits 3495
vegetable crops 79, 1062, 1067, 1348, 1676, 2428
damage 3168
diseases 481, 1248, 3169
mixtures 1049, 1348, 2034
quality 1067
selectivity 1062
sequences 79, 102, 508, 747, 1339
yield 1067
Bensulide
soil relations
degradation, photolytic 4059
microorganisms, fungi 1248
usage
antidotes 2730
crops
lawns and sports turf 102, 103, 508, 1068, 1069, 3167, 3169, 3480, 3851
vegetable crops 76, 94, 95, 1059, 1676
diseases 1248, 3169
mixtures 103, 1069, 3851
non-crop situations 178
sequences 76, 95, 102, 508
Bentazone
analysis
chromatography 293, 3010, 3305
thin-layer chromatography 926
chemistry and properties, antagonism 745, 1038, 2750, 3415, 3419, 3518
physiological effects
cytology, chloroplast 1204, 1906, 1907, 3296
degradation 3644
genetics 1185
germination 522
metabolism
chlorophyll 1516, 2238
photosynthesis 1516
proteins 2238
waxes 3002
mode of action 1515
penetration 1515
photosynthesis 1204, 3296
translocation 3644
ultrastructure 1906, 1907, 3002, 3296
uptake 3644
residues
plant 926
Bentazone *contd.*
residues *contd.*
plant products 926
soil 926
water 926
soil relations
microbial activities
nitrification 1958
nitrogen fixation 1049, 1671, 2310
microorganisms
bacteria 1958
fungi 1958
usage
additives 81, 452, 1299, 1515, 2336, 2859, 3434, 3644, 3830
application
equipment 4094
methods 1975, 2662
climate 25, 3002, 3519
compatibility
growth regulators 2001, 2002
herbicides 1022, 1339, 2750, 3776, 3785
insecticides 1256, 3061, 3707
crops
cereals 7, 428, 433, 449, 480, 1004, 1020, 1022, 1281, 1299, 1596, 1607, 1611, 1624, 1626, 1627, 1629, 2001, 2002, 2009, 2017, 2019, 2336, 2699, 2722, 3061, 3105, 3106, 3375, 3383, 3401, 3707, 3760
fibre crops 473, 734, 2048, 3434
forage crops 428, 480, 486, 488, 745, 747, 1339, 2410, 3434, 3458, 3813
grassland 2071, 3823
lawns and sports turf 765
oilseed crops 38, 454, 729, 1638
plantation crops 3864
pulses 4, 23, 24, 25, 29, 399, 451, 452, 1034, 1320, 1619, 2009, 2022, 2030, 2336, 2384, 2740, 2750, 2751, 2752, 3115, 3123, 3383, 3410, 3411, 3414, 3415, 3416, 3419, 3424, 3425, 3707, 3735, 3776, 3778, 3779
root crops 467, 1331, 1596, 2037, 3735
vegetable crops 81, 94, 1062, 1673, 2080, 2793, 2795, 3162, 3830
damage 38, 3458, 3707
economics 3779
legislation 94
mixtures 4, 7, 29, 399, 428, 433, 451, 467, 480, 486, 1004, 1034, 1038, 1049, 1320, 1596, 1607, 1624, 1626, 1629, 1638, 2022, 2048, 2071, 2080, 2722, 2750, 2751, 2752, 3105, 3106, 3375, 3401, 3419, 3424, 3458, 3518, 3735, 3776, 3778, 3785, 3813
acifluorfen 3415
dimethametryn 2500
mefluidide 3519
piperophos 2500
selectivity 1062, 2699, 3106, 3913
sequences 38, 473, 729, 745, 747, 1020, 1339, 2009, 2022, 2037, 2071, 3162, 3383, 3410, 3411, 3776, 3778, 3830
weeds 522, 1515, 1741, 2500
woody 3823
wetters 674, 3519
yield 452, 1004
Benzamide, 3,5-dichloro-*N*-(1,1-dimethylpropynyl)- (*see* Propyzamide)
Benzamide, 2,6-dichlorothio- (*see* Chlorthiamid)
Benzenes, polychloro- 2616
Benzenes, t-butoxy- 4029
Benzoate, methyl 5-(2,4-dichlorophenoxy)-2-nitro- (*see* Bifenox)
Benzoate, methyl 2-([([(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl)amino]sulphonyl)- 3651, 4027
Benzoate, potassium 5-(2,4-dichlorophenoxy)-2-nitro- 2991
Benzoic acid, 3-amino-2,5-dichloro- (*see* Chloramben)
Benzoic acid, 5-(2-chloro-4-trifluoromethylphenoxy)-2-nitro- (*see* Acifluorfen)
Benzoic acid, 3,6-dichloro-2-methoxy- (*see* Dicamba)
Benzoic acid, *p*-hydroxy- 2597
Benzoic acid), *N*-phenylimino diethylene bis(3,6-dichloro-2-methoxy- (*see* Cambendichlor)
Benzoic acid, polychlorinated 66
Benzoic acids 2985, 3281
Benzoin-α-oxime 2730
Benzonitriles (*see* nitriles, benzo-)
Benzophenone, 4-methoxy-3,3′-dimethyl- 329
Benzophenone oxime 2730
Benzoylprop
physiological effects
degradation 2634
metabolism, enzymes 4028
residues, plant 2634
soil relations, degradation 2651
usage
climate 1601
compatibility
fungicides 675
herbicides 675, 1601
crops
cereals 426, 1008, 1284, 1581, 1598, 1601, 1603, 1604, 1605, 2342, 2541, 2696
grassland 483
oilseed crops 2767, 3810
mixtures 1604, 2767
quality 1604, 1605
sequences 426, 3678
species shift 2541
Benzthiazuron 731
usage
crops, root crops 2389
mixtures 2389
Benzyladenine 3280
Bibliography 2844, 3080
Ctenopharyngodon idella 2851
economics, herbicide 970
herbicides, analysis 1215
weed control, small farm 2678
Bifenox
chemistry and properties, synergism 2360
physiological effects
metabolism, amides 1900
mode of action 1198, 2991
residues, atmosphere 3439
usage
application 1575
methods 723, 1033
climate 3439
crops
cereals 18, 20, 440, 1001, 1311, 1596, 1625, 1627, 2017, 2351, 2360, 2379, 2693, 2694, 2701, 3108, 3401
forests 143, 144, 146, 3508
pulses 723, 1033, 1575, 2746
vegetable crops 2794, 3470
damage 3439, 3470
diseases 1325
mixtures 20, 146, 1311, 1596, 1625, 2694, 2701, 2746, 2794, 3401
dicamba 2360
isoproturon 1001
linuron 2351
MCPA 2360
mecoprop 1001
selectivity 1325, 2360, 2693, 2694
yield 3108
Binapacryl 2100, 3846
Bipyridylium, 1,1′-dimethyl-4,4′- (*see* Paraquat)
Bipyridyliums 1194, 3281
Bolivia, weed control, review 395
Book
Australia, weed control 3215
herbicides 699
analysis 280
physiological effects 247
residues 1233
soil relations 1233
Japan, flora 549
phenoxyalkanoic herbicides 2243
weed control 699
management 1057
weeds, parasitic 3257
Brazil
flora 192, 819, 820, 821, 822, 2542

Brazil *contd.*
weed control 1632
recommendations 3367
review 3209, 3400
Bromacil
analysis
bioassay 2252, 3047
chromatography 3654
formulation
aqueous concentrates 3880
granules 3699
physiological effects 2688
cytology 2230
genetics 2999
germination 3047
photosynthesis 3047
residues
plant 1927
soil 310, 2252, 2688, 3654, 3728
soil relations
adsorption 1241
degradation 310, 1241
photolytic 3047
leaching 1241
toxicology
environmental pollution 310
man 4055
soil mesofauna 4086
usage
compatibility, fertilizers 3097
crops
forests 2120
grassland 1336
plantation crops 140, 1700, 3501
small fruits 3482, 3488
tree fruits 129, 516, 772, 1698, 2112, 2449, 3863
vegetable crops 2792
damage 2120
irrigation 1241
mixtures 772, 1698, 1700, 2850, 3488
non-crop situations 3699
persistence 3699
selectivity 912, 3728
weeds, woody 3880
Bromide, methyl 1377, 4096
Bromofenoxim
usage
crops
cereals 7, 411, 423, 433, 1596, 2004, 2340, 2345, 3368, 3729, 3739, 3743, 3760
grassland 488, 3823
lawns and sports turf 765
root crops 467
mixtures 7, 411, 423, 433, 467, 488, 1596, 2004, 2340, 3729, 3739, 3743
selectivity 3743
weeds 1017
woody 3823
Bromoxynil
analysis, gas-liquid chromatography 1524, 1527, 2255
chemistry and properties, structure/activity relationships 1912
physiological effects
metabolism, chlorophyll 255, 1523
photosynthesis 255
residues, soil 1524
usage
application 2362
methods 6, 417, 1610
compatibility, herbicides 1601, 4097
crops
cereals 6, 7, 411, 412, 417, 420, 422, 423, 430, 1281, 1285, 1286, 1288, 1601, 1607, 1610, 1998, 2346, 2348, 2352, 2359, 2362, 2698, 2703, 2853, 3095, 3351, 3368, 3384, 3739, 3741
fibre crops 48, 3134
forage crops 1595
lawns and sports turf 111
oilseed crops 3090, 3148, 3433
pulses 758, 1320
vegetable crops 70
damage 2362
legislation, Canada 3384
mixtures 6, 7, 48, 70, 411, 412, 417, 422, 423, 430, 1285, 1288, 1320, 1607, 1998, 2346, 2352, 2359, 2698, 2703, 3095, 3134, 3351, 3368, 3384, 3433, 3678, 3739, 3741, 4097
Bromoxynil *contd.*
usage *contd.*
mixtures *contd.*
MCPA 2348
quality 1288
rates 3741
selectivity 3148
sequences 111, 1285
weeds 801
yield 2359
Butachlor
analysis, chromatography 3318
chemistry and properties, volatility 1237
formulation, granules 2378
residues
atmosphere 3439
plant 1538, 3318
plant products 3318
soil 1538, 3318
water 3318
soil relations
degradation
chemical 1237
microbial 336, 1237
photolytic 1237
fertility 1237
microbial activities, nitrogen fixation 4089
microorganisms
algae 4089
bacteria 4089
fungi 336
moisture 3405
toxicology, aquatic organisms 4089
usage
antidotes 1018
climate 3405, 3439
compatibility, insecticides 3061
crops
cereals 20, 447, 720, 1020, 1021, 1024, 1025, 1311, 1627, 1628, 1629, 2015, 2373, 2375, 2377, 2378, 2379, 2733, 3061, 3106, 3107, 3371, 3405, 3767
oilseed crops 1538
plantation crops 1705
vegetable crops 1123
damage 3405, 3439
economics 1025
irrigation 1628
mixtures 20, 1020, 1025, 1311, 1627, 2377, 3371
propanil 2015
selectivity 1123
sequences 1020
weeds, aquatic 2015
yield 1024
Butam
soil relations, structure 718
usage
antidotes 718
crops
cereals 718
oilseed crops 2049, 2400
vegetable crops 1346, 2081, 2797
mixtures 2049, 2081, 2400, 2797
Butamifos, toxicology, insects 1584
Butanamides, 2-halo-3,3-dimethyl-*N*-(1-methyl-1-phenylethyl)- 2245
Butanamides, *N*-phenyl- 2245
Buthidazole
analysis, bioassay 2654
chemistry and properties, antagonism 961
physiological effects
degradation 3001
penetration 3001
translocation 3001
uptake 3001
residues, plant 3001
soil relations
adsorption 2654
degradation, photolytic 2654
organic matter 2654
type 2654
usage
compatibility, herbicides 961
crops
forage crops 3153
plantation crops 135
rangeland 63
damage 3153
mixtures 135
Buthidazole *contd.*
usage *contd.*
quality 3153
Butralin
physiological effects, germination 2772
residues, soil 1986
soil relations
microbial activities
ammonification 1245
nitrification 1245
soil enzymes 1245
usage
antidotes 1018
application, methods 499
crops
cereals 1996, 2000, 2739, 3375
oilseed crops 2772
ornamental crops 2819
pulses 499, 2024, 2743, 3091
small fruits 2819
tree fruits 2819
vegetable crops 72, 95, 1067, 3162, 3467, 3830
damage 95
mixtures 1996, 2000, 3091, 3375
persistence 3731
quality 1067
rescue crops 2324
selectivity 2819
sequences 72, 95, 2739, 3162
yield 1067
Butylate
analysis, chromatography 921, 2624
chemistry and properties
stability 2624
synergism 1258
residues
plant products 921
water 1220
soil relations, runoff 1220
toxicology, mutagens 1935
usage
additives 3885
antidotes 1258, 1361, 3393, 3755, 3762
application, methods 3759
compatibility
fertilizers 3759
herbicides 1258
crops 997
cereals 1258, 1291, 1615, 2686, 2719, 3393, 3755, 3759, 3762
plantation crops 1361
pulses 2686
vegetable crops 2077
mixtures 1291
persistence 2686, 3885
selectivity 1291
weeds 1737
Butyric acid, 4-(4-chloro-2-methylphenoxy)- (*see* MCPB)

Cacodylic acid 4038
Caffeine 609, 2597
Cambendichlor, usage, weeds 2130
Camphechlor 3423
Canada
weed control
education 3361
organization 3361
Captan 776
Carbamate, *S*-benzyl *N,N*-di-s-butylthiol- 280, 290, 1584, 3010
Carbamate, 2-chloroallyl *N,N*-diethyldithiol- (*see* Sulfallate)
Carbamate, *S*-(4-chlorobenzyl) *N,N*-diethylthiol- (*see* Thiobencarb)
Carbamate, 4-chlorobut-2-ynyl *N*-(3-chlorophenyl)- (*see* Barban)
Carbamate, 4-chlorophenyl *N*-methyl- 3456
Carbamate, *p*-chlorophenyl *N*-methyl- 4096
Carbamate, *S*-2,3-dichloroallyl *N,N*-di-isopropylthiol- (*see* Di-allate)
Carbamate, 3,4-dichlorobenzyl *N*-methyl- (*see* Dichlormate)
Carbamate, *S*-ethyl *N*-cyclohexyl-*N*-ethylthiol- (*see* Cycloate)
Carbamate, *S*-ethyl *N,N*-di-isobutylthiol- (*see* Butylate)
Carbamate, *S*-ethyl *N,N*-dipropylthiol- (*see* EPTC)
Carbamate, *S*-ethyl *N,N*-hexamethylenethiol- (*see* Molinate)

Carbamate, ethyl 3-phenylcarbamoyloxyphenyl- (*see* Desmedipham)
Carbamate, isopropyl *N*-(3-chlorophenyl)- (*see* Chlorpropham)
Carbamate, *S*-isopropyl *N,N*-hexamethylenethiol- 1311
Carbamate, isopropyl *N*-phenyl- (*see* Propham)
Carbamate, methyl *N*-(4-aminobenzenesulphonyl)- (*see* Asulam)
Carbamate, methyl *N*-(3,4-dichlorophenyl)- (*see* Swep)
Carbamate, methyl 3-(*m*-tolylcarbamoyloxy)phenyl- (*see* Phenmedipham)
Carbamate, *N*-methyldithio- (*see* Metham)
Carbamate, 1-methylprop-2-ynyl *N*-(3-chlorophenyl)- (*see* Chlorbufam)
Carbamate, *S*-propyl *N*-butyl-*N*-ethylthiol- (*see* Pebulate)
Carbamate, *S*-propyl *N,N*-dipropylthiol- (*see* Vernolate)
Carbamate, *S*-2,3,3-trichloroallyl *N,N*-diisopropylthiol- (*see* Tri-allate)
Carbamates 1564, 2250, 2624, 3013, 3023
Carbamates, *N*-phenyl- 918, 1530, 3632
Carbamates, thiol- 2232, 3023
Carbamates, 3-ureidophenyl (see ureas, *N*-3-carbamoyloxyphenyl-)
Carbanilates (*see also* carbamates, *N*-phenyl-)
Carbetamide
physiological effects
metabolism
nitrate nitrogen 1066
vitamins 1066
usage
crops
forage crops 2784
grassland 3457
oilseed crops 739, 3147
ornamental crops 3848
vegetable crops 756, 2081, 2084, 3162, 3831, 3836
mixtures 739, 2081, 2084, 3147, 3831, 3836
sequences 2784, 3162
Carbothiolate, octyl *O*-(6-chloro-3-phenylpyridazin-4-yl)- (*see* Pyridate)
Carboxamide, *N*-isobutylimidazolidin-2-one-1- (*see* Isocarbamid)
Carboxylic acid, 7-oxabicyclo[2,2,1]heptane-2,3-di- (*see* Endothal)
Carboxylic acids, phenoxyalkane 2243, 2244, 3665, 3989
Chlomethoxynil
usage
crops, oilseed crops 3811
mixtures 3811
Chloral hydrate 2058, 2129
Chloral methylhemiacetal 2129
Chloramben
formulation
aqueous concentrates 3477
controlled release 3477
emulsions 3477
physiological effects
morphology 1678
pollen germination 1678
soil relations
microbial activities, nitrogen fixation 3281
type 3477
toxicology
carcinogens 1222
laboratory animals 936, 1222
usage
compatibility, herbicides 991
crops
culinary herbs 1678
fibre crops 737, 2330
oilseed crops 50, 737, 1043, 2057, 3148, 3442
plantation crops 476
pulses 28, 1634, 1635, 2386, 2387, 2746, 2751, 3787
vegetable crops 84, 94, 1673, 3467, 3472, 3477
damage 991
diseases 1325
legislation 3070
mixtures 50, 991, 1043, 1635, 2386, 2387, 2746, 2751, 3787
Chloramben *contd.*
usage *contd.*
mixtures *contd.*
metolachlor 84
quality 737
selectivity 1325, 3148
weeds 3912
Chlorate, sodium 1960
Chlorbromuron
analysis, gas-liquid chromatography 1921
physiological effects
metabolism
chlorophyll 258
minerals 258
soil relations
microbial activities 1246
ammonification 665
nitrification 665, 1567
respiration 665
soil enzymes 665
microorganisms
bacteria 665, 1246
fungi 665, 1246
organic matter 665
usage
crops
cereals 2008
culinary herbs 96
medicinal herbs 2401
pulses 2032
vegetable crops 2008, 3835
selectivity 2008
weeds 176
Chlorbufam
physiological effects
cytology 612
genetics 612
toxicology, mutagens 1935
usage
crops
ornamental crops 1680
vegetable crops 492, 2423, 3161
mixtures 492, 612
chloridazon 2423
sequences 3161
Chlorfenac, usage, crops, cereals 714, 2717
Chlorfenprop
physiological effects
metabolism 1506
amino acids 1013
nitrate nitrogen 1013
non-protein nitrogen 1013
penetration 1506
soil relations, straw 1562
usage
crops
cereals 12, 1013, 1288
grassland 483
quality 1288
Chlorflurecol
chemistry and properties, synergism 3184
physiological effects 1392
soil relations
degradation 3685
leaching 3685
microbial activities
nitrification 3685
nitrogen fixation 3685
microorganisms, fungi 3685
usage
crops, grassland 1337
mixtures 1337, 3184
weeds, aquatic 3184
Chloridazon
analysis
chromatography 1217
gas-liquid chromatography 2262
thin-layer chromatography 292
formulation 460
flowable 2763
physiological effects
germination 2772
metabolism, waxes 3289
photosynthesis 895
residues, soil 2273
soil relations
adsorption 463
degradation 948, 1035, 4074
microbial activities
nitrification 351
nitrogen fixation 949
respiration 351
Chloridazon *contd.*
soil relations *contd.*
microbial activities *contd.*
soil enzymes 351
microorganisms
bacteria 949
fungi 3046
temperature 463
type 463
usage
application, methods 2763
compatibility 1234
herbicides 3289
crops
forage crops 464, 733
forests 1371
oilseed crops 2772
root crops 42, 44, 457, 459, 460, 480, 731, 732, 1035, 1037, 1038, 1329, 1595, 1641, 1642, 2038, 2040, 2389, 2760, 4074
vegetable crops 68, 492, 495, 757, 2423
diseases 1269
mixtures 44, 68, 457, 464, 492, 757, 1035, 1037, 1038, 1269, 2038, 2040, 2760
chlorbufam 2423
TCA 960
persistence 2273
selectivity 732
sequences 495, 733, 1329, 2040
weeds 194, 1896
yield 1642
Chloride, calcium 2664
Chloride, 2-chloroethyl-trimethyl-ammonium (*see* Chlormequat)
Chloride, 4,4-dimethylmorpholinium 1502
Chloride, sodium 2379, 3237
Chlormequat 409, 1257, 1502, 3627
usage
crops
cereals 2598
forests 1713
Chlornitrofen
analysis, chromatography 2253, 2254
chemistry and properties, impurities 4047
toxicology
aquatic organisms 644
bees 2253
fish 644, 2254, 4047
usage, crops, cereals 2379
Chloroxuron
chemistry and properties, structure/activity relationships 2615
physiological effects, photosynthesis 2615
soil relations, pH 3677
usage
application, methods 3478
crops
forests 146
medicinal herbs 479
ornamental crops 1679, 2100, 2431, 3846, 3849
small fruits 2105, 3854
vegetable crops 2794, 3835, 3837
mixtures 479, 1038, 2105, 2794, 3837, 3854
weeds 1088
Chlorpropham 2795
analysis 280
bioassay 1250
chromatography 919
formulation, controlled release 3456
physiological effects
degradation 4013
genetics 1568
mode of action 1250
residues, plant 919
soil relations, microorganisms, protozoa 1568
toxicology, man 1936
usage
additives 3456
climate 2423
crops
fibre crops 2741
forage crops 3456
grassland 2063
medicinal herbs 479, 2058
ornamental crops 1679, 1680, 1681, 2098

Chlorpropham *contd.*
usage *contd.*
crops *contd.*
pulses 2023, 2741, 2746
root crops 3430
vegetable crops 72, 752, 1348, 1666, 2082, 2084, 2085, 2097, 2423, 2795, 3836
damage 1681, 2098, 2423, 2795, 3430
mixtures 72, 479, 1348, 2023, 2082, 2084, 2085, 2097, 2746, 3430, 3836
propazine 2058
sequences 72, 3430
Chlorsulfuron
chemistry and properties 3301
physiological effects
cell division 2997
degradation 2996
metabolism
nucleic acids 2997
proteins 2997
mode of action 2997
photosynthesis 2997
respiration 2997
residues, soil 3042, 3336
soil relations
lateral movement 4060
leaching 4060
usage
additives 3739
crops
cereals 704, 707, 1003, 1006, 1276, 1597, 1996, 1998, 2853, 3301, 3336, 3368, 3369, 3374, 3375, 3377, 3739, 3746, 3748
fibre crops 707, 2048
rangeland 3941
damage 1003, 3336, 3748
mixtures 1006, 1597, 1996, 1998, 3368, 3375, 3377, 3739
dicamba 3746
diclofop 3746
non-crop situations 1735
persistence 3336, 3731, 4060
rescue crops 2324
selectivity 1003, 3369
weeds 1735
Chlorthal 2795
analysis 3654
physiological effects, germination 597
residues, soil 3654
soil relations
microbial activities 1246
microorganisms
bacteria 1246
fungi 1246, 1248
toxicology, soil mesofauna 4086
usage
application, methods 91
climate 3168
compatibility 1234
crops
forage crops 487, 3454
grassland 481
lawns and sports turf 102, 103, 111, 508, 1069, 2102, 3167, 3168, 3169, 3480
ornamental crops 504, 1681, 2098, 2099, 3850
pulses 3164, 3790
root crops 1331, 1589, 3431
small fruits 511, 1589, 1688, 1689, 1693, 2813, 2816, 3852
vegetable crops 70, 72, 73, 78, 86, 91, 93, 95, 492, 755, 1067, 1589, 1663, 2089, 2420, 2421, 2422, 2423, 2795, 3431, 3472
damage 1681, 2098, 3168
diseases 481, 1248, 3169
mixtures 72, 73, 93, 492, 1069, 1589, 1663, 1689, 2420, 2813, 3431, 3850
quality 1067
sequences 72, 95, 102, 111, 508, 755, 1688
yield 1067
Chlorthiamid
residues, soil 3486
toxicology, mutagens 1935
usage
crops
forests 775, 1716
small fruits 121, 3491
tree fruits 2111, 3860
Chlortoluron
analysis
bioassay 2648
chromatography 1525, 2626
chemistry and properties, synergism 51, 175
physiological effects
degradation 2995
metabolism, enzymes 3634
photosynthesis 4017
residues
plant 51
soil 1986, 2334
water 2626
soil relations
adsorption 1944, 2291
degradation 337, 948
lateral movement 3063
leaching 2285, 2648, 3063
moisture 3063
organic matter 1944
pH 3677
straw 1562, 1942, 3063
usage
application 525
methods 3063
compatibility
fungicides 337
growth regulators 337, 2001
insecticides 337
crops
cereals 337, 386, 709, 1277, 1282, 1605, 1942, 1995, 1996, 1997, 1998, 2000, 2001, 2340, 2345, 2693, 3374, 3375, 3376, 3377, 3378, 3388, 3390
medicinal herbs 2401
oilseed crops 51
ornamental crops 3848
vegetable crops 68
damage 68
mixtures 51, 175, 1996, 1998, 2000, 2693, 3375, 3377, 3390
persistence 2334, 3731
pests 3388
quality 1605
rates 525
rescue crops 2324, 2334
review 525
selectivity 2693
sequences 1277, 3376, 3378
weeds 543
yield 525, 1282
Cinnamic acids 2985
CIPC (*see* Chlorpropham)
Clofop
physiological effects
metabolism 1886
mode of action 1886
usage
crops, cereals 1277, 2356
sequences 1277
Conference
weed control
biological, herbivorous fish 3884
non-crop situations 164
Copper 3185
Cotylenin E 2980
Coumarin, 7-hydroxy- 2597
4-CPA 3011
residues, plant 3011
Crops
bioassay 991, 2665, 3341
general
cereals 214, 403, 542, 1407, 1600, 2170, 2171, 2689, 2690, 3370, 3742
forage crops 2403, 3544
forests 683, 684, 866, 1078, 1715, 2177, 3719, 3870, 3873, 3874, 4109
grassland 576, 1407, 2066, 2067, 2146, 2174, 2198, 2403, 2548, 3449, 3544
lawns and sports turf 2441
medicinal herbs 1541
ornamental crops 762, 1349, 3478
plantation crops 1699
rangeland 691, 777, 1053, 1057, 1265, 1407, 1652, 1867, 1985, 2076
small fruits 2443, 3859
tree fruits 998, 2443, 3859
vegetable crops 998, 1904, 2086, 2791, 4043
Crops *contd.*
herbicide use and
breeding for resistance 3287, 3441, 3643
damage 642
nodulation 2388
physiology 613, 3772
quality 751
residual effects 2334
residues 642, 3656
sensitivity 1351, 3468, 3469, 3470
varietal susceptibility 1352, 3287, 3441, 3643
volunteer plants 1747, 2149, 3440, 3446, 3465, 3482, 3522
weed control in
biological 1483
integrated 3364
weeds, and 542, 1480, 1754, 1784, 2791, 2913, 2914, 2918, 4125
allelopathy 889, 2909, 3279
competition 203, 2902, 3227, 3926
hosts of plant diseases 1818, 1820, 1821
hosts of plant pests 1821
parasitic 866, 1144, 1152, 1810, 2741
survey 839
yield loss 203, 2902
Cuba, flora 818, 2510
Cyanamide, calcium 68, 2460, 2765
Cyanatryn
toxicology, aquatic organisms 3036
usage
non-crop situations 2847, 3036
weeds, aquatic 2847, 3036
Cyanazine
analysis, chromatography 3027
physiological effects
degradation 266
metabolism, chlorophyll 251
penetration 254
photosynthesis 266
transpiration 266
uptake 254, 266
soil relations
leaching 661
microorganisms, fungi 3346
type 941
usage
additives 19
crops
cereals 7, 9, 19, 397, 416, 419, 716, 1027, 1291, 1294, 1296, 1608, 2008, 2009, 2346, 2354, 2370, 2694, 2697, 2718, 3100, 3102, 3382, 3394, 3711, 3753, 3755, 3756, 3757, 3760, 3762
fibre crops 4, 2753
forage crops 486, 3838
forests 1716, 2831
oilseed crops 2767, 3433, 3441
ornamental crops 2101, 3845, 3848
plantation crops 1364, 2455
pulses 24, 451, 1313, 2009, 2024, 3410, 3735
root crops 2685
vegetable crops 1664, 1668, 2008, 3833, 3837, 3838
damage 19, 941, 3394
economics 2354
mixtures 4, 7, 24, 397, 419, 451, 486, 716, 1017, 1027, 1291, 1294, 1296, 1364, 1664, 1668, 2008, 2370, 2694, 2697, 2718, 2831, 3100, 3102, 3433, 3711, 3735, 3753, 3755, 3756, 3762, 3833, 3837, 3845, 3848
atrazine 1716
dichlorprop 951
persistence 661, 3299
pests 951
quality, flavour 1313
rescue crops 2753
selectivity 2008, 2694, 3522
weeds 1017, 1386, 1389, 2853, 2987
Cyanuric acid 1242
Cycloate
analysis, chromatography 921
formulation
emulsions 2038
flowable 2038
residues
plant products 921
soil 2273

Cycloate *contd.*
toxicology
mammals 316, 4045
man 4045
usage
crops
cereals 2719
oilseed crops 2054
root crops 39, 458, 459, 731, 1037, 2038, 2760, 2762
vegetable crops 1662, 2796
mixtures 39, 458, 731, 1037, 2038, 2054, 2796
persistence 2273
sequences 39, 458, 2038, 2760, 2796
Cyclohexane-1,3-dione, 2-[1-(*N*-allyloxyamino)butylidene]-4-methoxycarbonyl-5,5-dimethyl- (*see* Alloxydim)
Cyclohexane-1,3-dione, 2-[1-(ethoxyamino)butylidene]-5-(2-ethylthiopropyl)- 4, 104, 272, 470, 505, 726, 727, 745, 1030, 1038, 1039, 1274, 1339, 1595, 1597, 1639, 1663, 1783, 2022, 2027, 2028, 2037, 2038, 2048, 2072, 2075, 2386, 2458, 2766, 3085, 3086, 3088, 3090, 3119, 3145, 3188, 3224, 3404, 3412, 3415, 3418, 3419, 3420, 3518, 3733, 3770, 3775, 3776, 3781, 3784, 3797, 3810, 3814, 3822, 3834, 3856
Cycluron
physiological effects
cytology 612
genetics 612
toxicology, mutagens 1935
usage, mixtures 612
Cyometrinil 712, 718, 1307, 1622, 2605, 2992, 3101, 3103, 3293, 3294, 3396
usage
antidotes 2730
crops, cereals 334
Cyperquat
usage
crops, cereals 2017
mixtures 2017
Cytokinins 1882, 2596, 3277

2,4-D
analysis 287, 4049
bioassay 1494, 3307
chromatography 1919, 2258, 3010, 3011, 3019, 3304, 3306, 3654, 3657
gas-liquid chromatography 288, 1524, 3018
mass spectrometry 3017
polarography 2256, 2627
thin-layer chromatography 288, 2257
chemistry and properties
antagonism 1512
impurities 628, 1210, 1519, 2258
structure/activity relationships 3343
synergism 3184
vapour pressure 628
volatility 628
formulation 305, 2462, 3397
carriers 1709
controlled release 1375, 3019
emulsions 628, 1725
granules 962
oil-miscible concentrates 112, 3524
physiological effects
adsorption 1181, 3628
anatomy 250, 604, 883, 884, 885, 887, 1883, 2606
climate 249
cytology 250, 604, 884, 885, 886, 2229, 2230, 3989, 3991
binding site 882, 1181
chloroplast 1499
protoplast 1504
degradation 603, 881, 882, 891, 1257, 1503, 1881, 3993, 3994
genetics 1184, 1185, 1494
germination 522, 885, 1099, 1102
metabolism 882, 1881, 1882, 2596, 3029, 3993, 3994
amino acids 881, 1196, 2003, 2981, 3392
carbohydrates 1196, 1884, 2003, 3392
chlorophyll 251, 3392

2,4-D *contd.*
physiological effects *contd.*
metabolism *contd.*
enzymes 602, 881, 893, 1498, 1884, 1885, 2227, 3343
fats 1496
fatty acids 1496, 3989
minerals 605, 1009, 1183
non-protein nitrogen 616
nucleic acids 2606
pigments 3494
proteins 602, 616, 881, 882, 1182, 2003
mode of action 628, 882
morphology 884, 2226, 2229
penetration 628, 798, 890, 3535, 3628
photosynthesis 1512, 3307
respiration 1181, 1497, 3307, 3990
translocation 249, 798, 882, 887, 890, 1196, 1205, 1893, 2981, 3628, 3990, 3992
transpiration 887
uptake 605, 628, 887, 1512, 2981, 3991
residues
atmosphere 3770, 4051
plant 1926, 1928, 3011, 3018, 3032, 3654, 4087
plant products 628, 1257, 3011
soil 628, 1524, 1919, 1926, 4087
water 2627, 2633, 3317, 3463
soil relations
adsorption 2287, 3657
degradation 1924, 2274, 2276, 2283, 2287, 2289, 3040
microbial 330, 1253, 1558, 2288
fertility 700
leaching 2283, 3463
microbial activities
nitrification 345
nitrogen fixation 2308, 2309
respiration 345
soil enzymes 330, 662, 3687
microorganisms 8, 1253
bacteria 330, 345, 1253
fungi 345, 348
moisture 890, 2289
pH 1181, 3991
runoff 1924, 3315
temperature 2276, 2289
toxicology
aquatic organisms 305, 886, 1224, 4048
environmental pollution 930, 4051, 4058, 4087
fish 305, 1545, 1930, 2636, 3322
insects 1841
laboratory animals 314, 1932, 1934, 3038
livestock 2271
mammals 4049, 4051
man 314, 1543, 1933, 2271, 3037, 3038, 3304, 3667, 3668, 4049, 4051
review 4051
soil mesofauna 4050, 4087
teratogens 2258, 2271
usage
additives 2123, 2859, 3535, 3704
antidotes 3393
application 1333, 2362, 2748, 3317
equipment 1095, 1924, 2669, 2745, 2749
methods 371, 769, 962, 1610, 1928, 1973, 1975, 2123, 2125, 2661, 2729, 3524, 3702
climate 2126, 2858, 2982, 3462
compatibility
fertilizers 110, 962, 3730
growth regulators 1257, 2001
herbicides 1512, 1601, 1972, 2745, 4097
pesticides 2276

2,4-D *contd.*
usage *contd.*
crops
cereals 6, 8, 10, 386, 394, 420, 424, 436, 437, 477, 480, 616, 628, 713, 715, 720, 962, 1009, 1020, 1025, 1283, 1285, 1297, 1298, 1299, 1306, 1597, 1601, 1604, 1605, 1607, 1608, 1610, 1615, 1623, 1789, 2001, 2003, 2017, 2019, 2326, 2328, 2346, 2359, 2362, 2370, 2371, 2373, 2379, 2699, 2700, 2705, 2729, 3076, 3095, 3107, 3384, 3392, 3393, 3397, 3402, 3746, 3749, 3757, 3767, 3991, 4049
forage crops 480, 1659, 1660
forests 150, 151, 1081, 1082, 1375, 1709, 1717, 1721, 1928, 2842, 3034, 3177, 3509, 3512, 3871
grassland 56, 180, 482, 529, 804, 962, 1046, 1337, 2442, 2776, 2777, 2779, 4049
lawns and sports turf 110, 112, 509, 765, 2442, 3480
oilseed crops 394, 1638, 3148
plantation crops 133, 135, 773, 1213, 1363, 1364, 1365, 1366, 1455, 1701, 2114, 2453, 2454, 2826, 3506, 3864, 3865
pulses 394, 1298, 1320, 1324, 1632, 2745, 2749
rangeland 64, 65, 66, 67, 198, 802, 962, 1056, 1058, 1342, 2413, 3158, 3462, 3463, 3827, 3828, 3940, 3941
root crops 40, 394, 468
small fruits 121, 769, 1694, 2106, 3858
tree fruits 770, 2449
damage 2362, 2419, 2705, 2771, 2982, 3029, 3704, 3858
diseases 1496, 3150
economics 628, 1025, 3076
legislation, Canada 3384
mixtures 6, 8, 65, 110, 112, 135, 468, 509, 522, 529, 770, 802, 1009, 1020, 1025, 1046, 1056, 1058, 1081, 1082, 1095, 1283, 1297, 1298, 1299, 1337, 1342, 1363, 1364, 1365, 1392, 1597, 1604, 1605, 1607, 1608, 1632, 1638, 1659, 1660, 1694, 1701, 1723, 1724, 1745, 1972, 2017, 2114, 2123, 2125, 2126, 2131, 2256, 2274, 2346, 2359, 2370, 2449, 2454, 2471, 2699, 2738, 2776, 2779, 2826, 2842, 2846, 3095, 3107, 3184, 3384, 3402, 3494, 3506, 3749, 3767, 3864, 3865, 3871, 4097
atrazine 3509
ioxynil 1366, 1380
MCPA 804
MSMA 1926
picloram 179, 1306, 1721, 1726
2,4,5-T 2271
non-crop situations 179, 1095, 1745, 3667
persistence 1298, 2289, 4072
pests 1721
quality 1604, 1605, 3392
review 4051
selectivity 2699, 3148
sequences 10, 40, 437, 713, 1020, 1285, 2371, 3095
species shift 2076
weeds 522, 798, 799, 801, 1389, 1392, 1414, 1706, 1717, 1741, 1746, 2130, 2131, 2470, 2471, 2987, 3237, 3888, 3889, 3890
aquatic 156, 163, 930, 3181, 3184, 4048
woody 769, 1082, 1373, 1380, 1660, 1723, 1724, 1726, 2123, 2125, 2126, 2462, 2846, 3462, 3824
wetters 371, 482, 674, 3158
yield 616, 1789, 2003, 2359, 2700, 3800
Dalapon
analysis
chromatography 3306
thin-layer chromatography 3652
chemistry and properties, synthesis 3652
physiological effects 2688

Dalapon *contd.*
physiological effects *contd.*
metabolism
minerals 1895
pigments 3494
morphology 1678
pollen germination 1678, 3629
residues, soil 1559, 2688
soil relations
microbial activities
ammonification 347, 952
nitrification 347, 952
nitrogen fixation 1671, 2310
respiration 952
soil enzymes 952, 3687, 4084
microorganisms 952
fungi 663
organic matter 4084
toxicology
aquatic organisms 304
fish 1545
usage
application
equipment 3353
methods 2127
crops
cereals 2711
culinary herbs 1678
fibre crops 472, 3141, 3142, 3438
forage crops 60, 2781
forests 147, 347, 1374, 1376, 2461, 2842
grassland 491, 1045, 2406, 2777, 2786, 3452
plantation crops 133, 700, 773, 1077, 1213, 1365, 2453, 2825, 3503, 3866
pulses 1318, 2711, 3116, 3417
root crops 44, 458, 1039, 1641
small fruits 123, 1694, 2108, 2109, 2446
tree fruits 772, 1090, 2112, 2449, 3863
vegetable crops 754, 757, 2792
damage 3452
mixtures 44, 123, 147, 458, 754, 757, 1039, 1365, 1376, 1694, 2112, 2127, 2449, 2792, 2825, 2842, 2850, 3494, 3863
aminotriazole 2406
dichlobenil 1374
glyphosate 2109, 2446
non-crop situations 1085, 2849
persistence 3718
selectivity 1085
sequences 1318, 2850, 3141
sward destruction 491
weeds 857, 1739, 2129, 3363
aquatic 158, 304, 2127
parasitic 2781
Daminozide 89, 1713, 1892
Dazomet 2466
usage, crops, plantation crops 2059
2,4-DB
analysis 287
chromatography 3011, 3306
physiological effects
anatomy 1500
metabolism
carbohydrates 615
proteins 2601
residues
plant 3011
plant products 3011
soil relations, microbial activities, nitrogen fixation 1049
usage
application, methods 2662
compatibility, herbicides 1339
crops
cereals 428, 714, 1738, 2717
cover crops 517
forage crops 428, 747, 1339, 1595, 2781, 2877, 2904, 3153, 3813
grassland 2777
medicinal herbs 2058
oilseed crops 4
pulses 1619, 2750, 2751, 3423, 3425, 3775
vegetable crops 1500
damage 1500
diseases 1619
2,4-DB *contd.*
usage *contd.*
mixtures 428, 747, 1049, 2750, 2751, 3775, 3813
linuron 3425
metribuzin 3423
sequences 1339
weeds, parasitic 2781
Decane, *N*-dichloroacetyl-1-oxa-4-azaspiro-4,5- (*see* Oxazolidine, 3-dichloroacetyl-2,2-cyclohexanespiro-1,3-)
Denmark, flora 817
Desmedipham
physiological effects
cytology, chloroplast 3800
photosynthesis 3288
soil relations, degradation, microbial 1947
usage
additives 1255
compatibility, herbicides 1039, 3289
crops
root crops 39, 457, 1039, 1639, 3226
small fruits 767
vegetable crops 1666
mixtures 457, 767, 1039, 1255, 1639, 3086
sequences 39
Desmetryne
analysis, chromatography 298
residues, plant 298
soil relations
degradation 2305
fertility 496
usage
crops
forage crops 2070, 3735
oilseed crops 3811
plantation crops 3864
vegetable crops 496, 1667, 1677, 3832
mixtures 1038, 1677, 3735, 3811, 3839
selectivity 2070, 3811
Developing countries 2680
herbicide, education 2679
Di-allate
analysis, gas-liquid chromatography 3311
physiological effects
degradation 2232
mode of action 2232
residues
plant 3311
plant products 3311
soil relations, microorganisms, bacteria 4053
toxicology
carcinogens 2232
laboratory animals 1226
man 3671
mutagens 1223, 1226, 1937, 2232, 4053
teratogens 1223, 1226
usage
crops
pulses 26, 2381
root crops 43
mixtures 2381
persistence 26
pests 43, 951, 1963
Dicamba
analysis
chromatography 1528, 3304, 3306
gas-liquid chromatography 1524
potentiometry 3020
chemistry and properties
synergism 2360
volatility 958, 1521
formulation 1521
oil-miscible concentrates 3524
physiological effects
adsorption 3628
climate 1969
cytology 252
metabolism
carbohydrates 2050
fats 2050
non-protein nitrogen 616
proteins 616
waxes 2050
morphology 252
penetration 890, 3535, 3628
translocation 890, 1092, 1969, 2986, 3628, 4001
Dicamba *contd.*
physiological effects *contd.*
uptake 1969
residues, soil 1524
soil relations 1521
microbial activities
nitrogen fixation 3281
soil enzymes 346
microorganisms 8
moisture 890
toxicology, man 3304
usage
additives 958, 1255, 1521, 2986, 3535
application 1333
equipment 1924
methods 371, 1973, 1975, 3524
climate 1115, 1521, 1969, 3090
compatibility
fertilizers 3730, 3747
growth regulators 4001
herbicides 1601, 1972, 4097
crops
cereals 6, 8, 10, 407, 429, 616, 717, 752, 1008, 1115, 1285, 1288, 1297, 1298, 1299, 1597, 1601, 1604, 1605, 1615, 2004, 2359, 2360, 2684, 2699, 3090, 3095, 3368, 3746, 3747, 3749
fibre crops 2050
forests 775, 1721, 3523, 3878
grassland 529, 1046, 1336, 1337, 3823
lawns and sports turf 112, 509, 510, 3480
oilseed crops 1042, 2684, 3148
plantation crops 140
pulses 752, 1298
rangeland 63, 65, 67, 802, 1056, 1058, 1342, 2413, 3158, 3828, 3941, 4001
vegetable crops 2684
damage 1207, 2771
economics 380
mixtures 6, 8, 10, 65, 112, 346, 407, 429, 509, 529, 752, 779, 802, 1008, 1042, 1046, 1056, 1058, 1115, 1255, 1285, 1288, 1297, 1298, 1299, 1337, 1342, 1597, 1604, 1605, 1972, 2004, 2050, 2131, 2359, 2471, 2699, 3095, 3178, 3368, 3678, 3749, 4097
bifenox 2360
chlorsulfuron 3746
glyphosate 1207
persistence 1298
pests 1721
quality 1288, 1604, 1605, 3800
selectivity 2699, 3148
sequences 3095
weeds 798, 1092, 1389, 2131, 2471, 3888, 3889
woody 779, 3178, 3878
wetters 371, 717, 3158
yield 616, 2359, 3800
Dichlobenil
analysis
bioassay 4032
chromatography 3019
formulation, controlled release 3019
physiological effects
metabolism
carbohydrates 614
enzymes 3634
pigments 3494
residues, soil 1357, 1358, 3486
soil relations
adsorption 4063
degradation
chemical 4063
vaporization 4063
leaching 652
toxicology, aquatic organisms 304
usage
crops
cereals 714
forests 147, 1374, 1376
plantation crops 3865
small fruits 123, 1690, 2108, 2816, 3491, 3716
tree fruits 514, 1357, 1358
cumulative effects 1357
damage 514
fertilizers 514
mixtures 147, 1376, 3494

Dichlobenil *contd.*
usage *contd.*
mixtures *contd.*
dalapon 1374
persistence 3718
sequences 1358
weeds 3187
aquatic 158, 159, 160, 161, 304, 306
Dichlormate, usage, crops, cereals 1007
Dichlorprop
analysis 287
chromatography 3011, 3304, 3306
gas-liquid chromatography 1524, 1527
mass spectrometry 3017
polarography 2256, 2627
chemistry and properties, structure/activity relationships 3343
formulation
carriers 1709
oil-miscible concentrates 112
physiological effects, metabolism, enzymes 3343
residues
plant 3011
plant products 3011
soil 1524
water 2627
soil relations, microbial activities, soil enzymes 346
toxicology
environmental pollution 4058
laboratory animals 1932
man 3304
soil mesofauna 3347
usage
additives 2859
compatibility, growth regulators 2001
crops
cereals 7, 411, 414, 420, 422, 430, 1004, 1789, 2001, 2704, 3739, 3741
forage crops 480
forests 1709, 3034
grassland 3547
lawns and sports turf 112, 509
economics 380, 2704
mixtures 7, 112, 411, 414, 422, 430, 480, 509, 765, 1004, 2256, 3739, 3741
cyanazine 951
pests 951, 3347
rates 3741
yield 1004, 1789
Diclofop
analysis
chromatography 3011
gas-liquid chromatography 3309
chemistry and properties
antagonism 2983
structure/activity relationships 1913
formulation 1186
emulsions 2357
physiological effects
anatomy 888, 1186
cytology 888, 1889
degradation 2617, 3995
genetics 888
metabolism 1886, 3995
amino acids 1191, 1887, 1888
carbohydrates 1887
chlorophyll 1191, 2989
enzymes 893, 1889
fats 1887, 3997
fatty acids 1887, 1888, 3997
nucleic acids 1888, 2989
oils 2051
proteins 1191, 1888, 2051, 2989
mode of action 1886, 1888, 2027, 2617, 3624, 3997
morphology 3624, 3625
photosynthesis 1191, 2027, 2989
respiration 1887, 1889
translocation 2617, 2983, 3623, 3624
transpiration 2027
ultrastructure 3996
uptake 2617, 2983, 3623, 3625
residues
plant 3011
plant products 3011
usage
application
equipment 1576
methods 3117
Diclofop *contd.*
usage *contd.*
climate 1601, 3149
compatibility
growth regulators 1186
herbicides 1186, 1574, 1601, 1972, 2983, 3098, 4097
crops
cereals 13, 415, 426, 700, 1006, 1275, 1277, 1281, 1284, 1286, 1597, 1598, 1601, 1603, 1607, 1608, 2352, 2357, 2358, 2675, 2696, 2699, 2706, 2709, 2710, 3088, 3096, 3098, 3384, 3387, 3746, 3886, 3996
fibre crops 735, 999
forage crops 2382
grassland 1650, 2409, 2780, 3151
oilseed crops 999, 2051, 2399, 3098, 3149, 3433, 3442
plantation crops 2062, 3843
pulses 24, 999, 1275, 1317, 1321, 2025, 2027, 2380, 2740, 3112, 3117, 3118, 3770, 3776
root crops 731, 999, 1037, 1039, 1275, 1595, 1639
small fruits 767
vegetable crops 68, 81, 84, 94, 755, 1665, 2096, 2422, 2424, 2425, 3159, 3162, 3466, 3843
damage 1608, 2358, 3149, 3387
economics 2675
legislation 94
mixtures 731, 1006, 1037, 1039, 1574, 1597, 1607, 1608, 1972, 2025, 2096, 2352, 2696, 3086, 3098, 3776, 4097
chlorsulfuron 3746
quality 2062
selectivity 1186, 2699, 2709, 3096, 3149, 3996
sequences 755, 1277, 3162, 3678, 3776
weeds 1396
wetters 2027
yield 2710, 2780
Diethatyl
soil relations, structure 718
usage
antidotes 718
crops
cereals 718
fibre crops 49, 3434
forage crops 3434
root crops 1037, 2038, 2040, 2042
vegetable crops 1662
mixtures 1037, 2038, 2040, 3434
sequences 2038, 2040
Difenopenten
chemistry and properties, antagonism 745, 3419
physiological effects
germination 1030
mode of action 2027
photosynthesis 2027
translocation 1030
transpiration 2027
usage
compatibility, herbicides 1339
crops
cereals 3404
fibre crops 4, 396, 3140, 3145
forage crops 745, 1339
forests 2458
ornamental crops 505, 506
pulses 4, 399, 725, 727, 1030, 2027, 2028, 2386, 3119, 3418, 3419, 3420
root crops 1039, 1639, 2038, 2766
vegetable crops 77, 82, 2766
mixtures 4, 399, 1039, 2038, 3086, 3419
sequences 1339, 2038
wetters 2027
Difenoxuron, usage, crops, vegetable crops 2422, 2424
Difenzoquat
analysis 280
chromatography 636
chemistry and properties, antagonism 420
physiological effects
metabolism
amino acids 1191
chlorophyll 1191, 2989
Difenzoquat *contd.*
physiological effects *contd.*
metabolism *contd.*
nucleic acids 2989
proteins 1191, 2989
photosynthesis 1191, 2989
residues
plant 636
plant products 636
usage
additives 3703
application 3703
climate 1601, 3703
compatibility, herbicides 420, 1574, 1601, 3098, 4097
crops
cereals 13, 414, 420, 426, 1006, 1008, 1116, 1281, 1283, 1284, 1288, 1597, 1598, 1601, 1603, 1607, 2342, 2541, 2706, 2710, 3088, 3096, 3098, 3384, 3387, 3703
grassland 483, 1650, 3151
oilseed crops 3098
pulses 414
damage 3387
economics 380, 1116
legislation, Canada 3384
mixtures 414, 1006, 1089, 1283, 1574, 1597, 1607, 3098, 3384, 3678, 4097
quality 1288
selectivity 3096
sequences 426
species shift 2541
weeds 1089, 1396
yield 2710
Dimefuron
usage
crops, oilseed crops 739, 1646
mixtures 739
yield 1646
Dimethachlor
usage
crops
oilseed crops 739, 1646, 3809
vegetable crops 68, 3469
yield 1646
Dimethametryn
soil relations, microbial activities, soil enzymes 2307
usage
crops, cereals 1611, 2017, 2733
mixtures 2017, 2733
bentazone 2500
piperophos 1611, 2500
weeds 2500
Dimethazone (*see* Dimidazon)
Dimidazon 1192
Dinitramine
analysis, electrical 3015
residues, soil 3337, 3471
soil relations
degradation 3337
moisture 2792, 3337
pH 3337
temperature 3337
usage
compatibility
growth regulators 3059, 3060
insecticides 3059, 3060
crops
cereals 1623, 2733
fibre crops 3059, 3060
oilseed crops 1595, 3440
plantation crops 2035, 2062
pulses 2032
vegetable crops 70, 73, 498, 1062, 1674, 2426, 2792, 3474, 3840
damage 1674
diseases 2035
mixtures 1674
persistence 3329
selectivity 1062
sequences 73, 3840
Dinoseb
analysis
bioassay 503
chromatography 3306
electrical 3015
chemistry and properties, antagonism 1038
formulation 305

Dinoseb *contd.*
physiological effects
cytology
binding site 1897
chloroplast 259, 899
metabolism
fats 1195
fatty acids 1195
proteins 259, 1897
photosynthesis 259, 899
residues, soil 2286, 4043
soil relations
degradation 2286
leaching 2286
microbial activities
nitrification 1955, 4082
nitrogen fixation 1049, 1247, 1252, 1671, 2310, 3052
respiration 4082
soil enzymes 947, 948, 2007, 4082
microorganisms 947, 4082
bacteria 1247, 1252
straw 948, 2007, 2286
toxicology
aquatic organisms 305
fish 305, 647
usage
additives 360
application
equipment 4094
methods 2662
compatibility, fertilizers 721, 1971
crops
cereals 1608, 1626, 1997, 2007, 2008, 2715, 2732
forage crops 485, 747, 2410, 2411, 3152, 3813
oilseed crops 4, 1326, 1638, 2034, 2758
ornamental crops 503
plantation crops 1707, 2035
pulses 24, 717, 721, 758, 1038, 1971, 2026, 2740, 2750, 3411, 3424, 3425, 3770
root crops 1331
vegetable crops 79, 80, 81, 82, 92, 1677, 2008
damage 2007
diseases 721, 2035, 3344
mixtures 80, 747, 758, 1038, 1049, 1326, 1626, 1638, 1677, 1997, 2034, 2715, 2750, 2758, 3411, 3424, 3813, 3885
isoproturon 2286
monolinuron 81, 1955
PCP 947
persistence 3885
sequences 79, 2758, 3411
stubble 3344
weeds 1896
Dinoterb
usage
compatibility, growth regulators 3380
crops
cereals 1997, 1998, 3376, 3378, 3380
pulses 23
mixtures 23, 1997, 1998, 3376, 3378
sequences 3376
Dioxin, 2,3,7,8-tetrachlorodibenzo-*p*- 3034
Diphenamid
physiological effects, metabolism 3445
residues, plant 3033
soil relations, moisture 2757
usage
adsorbents 2801
compatibility 1234
herbicides 991
crops
cover crops 517
forests 143, 144, 2833
oilseed crops 2757, 2758
ornamental crops 504, 2099
plantation crops 476, 2402, 3444, 3445, 3812
pulses 2385
vegetable crops 88, 90, 760, 1062, 1067, 1674, 2085, 2800, 2801, 3467
damage 991, 1674
mixtures 760, 991, 1674, 2800
quality 1067
selectivity 1062, 2085
yield 1067
Dipropetryn
usage
crops
cereals 1996
fibre crops 3805
oilseed crops 456, 3124
vegetable crops 1670, 1676, 2428
mixtures 456, 1996, 3124, 3805
quality 1670
flavour 1670
selectivity 3805
Diquat
analysis
mass spectrometry 927
spectrophotometry 2251, 2265
chemistry and properties, structure/activity relationships 1916
formulation, controlled release 361, 784
physiological effects
cytology 2613
degradation 3649
metabolism, pigments 3494
mode of action 1916
photosynthesis 3649
residues
plant 51, 1540
plant products 2265
soil 1540
soil relations
degradation, microbial 344
microorganisms, fungi 344, 2613, 2658
toxicology 1228
aquatic organisms 583, 3321
birds 2640
fish 1545, 1939
mutagens 1935
usage
application 784
equipment 3698
methods 3698
crops
forage crops 2382
grassland 3448
oilseed crops 51
plantation crops 140, 742, 1703
pulses 2032, 3770
root crops 730
small fruits 1693, 3490
tree fruits 512, 771
vegetable crops 1540, 1675
damage 140
mixtures 512, 730, 801, 1675, 1703, 3490, 3494
paraquat 2382, 3448
sequences 742, 1703
weeds 801, 1392
aquatic 361, 583, 784, 2127, 3185
Dithiin-1,1,4,4-tetraoxide, 2,3-dihydro-5,6-dimethyl-1,4- 3468
Diuron
analysis 4035
bioassay 2252, 3307
chromatography 3658
gas-liquid chromatography 291, 1238, 1921
chemistry and properties, synthesis 3007
formulation, granules 3699
physiological effects
cytology 612
binding site 256, 894, 1897, 3633
chloroplast 1200, 3640, 3800
degradation 1938, 2995
genetics 612
metabolism, proteins 1200, 1897
mode of action 894
photosynthesis 256, 894, 3288, 3307, 3633, 3640, 4007
respiration 3307
residues
plant 3658
soil 1238, 1925, 2252, 3658, 3728, 4065
water 1238, 1925
soil relations
adsorption 1943, 3680
degradation 1238, 3335
microbial 4065
leaching 652, 4067
microbial activities
ammonification 1566
nitrification 1566, 1567
nitrogen fixation 1049
soil enzymes 3687
Diuron *contd.*
soil relations *contd.*
microorganisms, bacteria 2656
moisture 3680
organic matter 1943, 3680
pH 3677
runoff 1238
structure 4065
temperature 3680
type 941, 1925, 3869
toxicology
disposal 2619
environmental pollution 1238, 2619
fish 1545
laboratory animals 1938
soil mesofauna 4086
usage
additives 3504
application
equipment 1095
methods 3701
compatibility, herbicides 260, 2665
crops
cereals 1007, 1608, 3432
cover crops 139
fibre crops 471, 1990, 2397, 2753, 3137, 3437, 3701, 3807, 3808
forage crops 60, 61, 487, 1657, 2781, 2784, 3432
forests 1714
grassland 1048, 1336
oilseed crops 3432
plantation crops 135, 140, 742, 1072, 1073, 1363, 1364, 1365, 1366, 1368, 1370, 1582, 1700, 1701, 1705, 2114, 2452, 2453, 2455, 3496, 3497, 3504, 3865, 3866, 3869
pulses 1632, 2023, 2387, 3432
root crops 3432
small fruits 117, 2816, 3482, 3488, 3489, 3491, 3492
tree fruits 125, 127, 129, 130, 516, 771, 772, 1071, 1698, 2111, 3862
vegetable crops 71, 754, 756, 1348, 2792, 2794, 2805
damage 941
diseases 3808
economics 516
mixtures 60, 61, 127, 135, 139, 471, 612, 756, 772, 1049, 1073, 1095, 1348, 1363, 1364, 1368, 1632, 1698, 1700, 1701, 2023, 2114, 2387, 2452, 2455, 2656, 2781, 2794, 2805, 3432, 3437, 3488, 3489, 3491, 3492, 3496, 3497, 3862
glufosinate 1070
glyphosate 3859
propyzamide 1657
tebuthiuron 1072
non-crop situations 1095, 1925, 3699
persistence 3699, 4067
quality 1072, 3808
rescue crops 2753
selectivity 3496, 3728
sequences 742, 1048, 1073, 2784, 3137
weeds 857, 1088, 1896
aquatic 163, 1084
parasitic 2781
yield 1657
DNOC
analysis 286
electrical 3015
gas-liquid chromatography 3656
chemistry and properties, synthesis 1911
physiological effects
cytology, binding site 256
metabolism, enzymes 3634
photosynthesis 256, 4021
residues
plant 3656
soil 638
water 638
soil relations
degradation 638
microbial activities 2312
toxicology
birds 3665
environmental pollution 638
usage
crops
cereals 2000
vegetable crops 80

DNOC *contd.*
usage *contd.*
mixtures 80, 2000
persistence 3718
selectivity 4021
Dowco 295 3498
DPX 4129 3498
DSMA
physiological effects, metabolism, enzymes 893
residues, plant 3428
usage
crops
fibre crops 3137
lawns and sports turf 507
oilseed crops 3428
damage 507

Economics
herbicide 969, 3717
German Federal Republic 5
India 3426
Japan 1580
Pakistan 3076
Philippines 4117
South Africa 3719
UK 379, 385, 994
USA 970, 1264, 4115
USSR 690
Yugoslavia 1581
weed control 1983, 2953, 3365
Australia 691, 1265, 2789
Austria 1579
German Federal Republic 827
India 2547
Kenya 1582
Malaya 1370
Pakistan 3076
South Africa 3719
USA, states, North Dakota 3075
USSR 558
Yugoslavia 1374, 1581
Education
Australia 989
UK 374, 375
EL-5261 3440
Endothal
chemistry and properties, synergism 3515
usage
crops, root crops 1037
mixtures 1037
weeds, aquatic 3185, 3515
EPTC
analysis, chromatography 921
chemistry and properties
synergism 1258
synthesis 3007
formulation
controlled release 3352
emulsions 2712, 2716, 2761
granules 2712, 2716, 2761, 3352
tablets 3352
physiological effects
degradation 902
genetics 1040
metabolism
amino acids 3392
carbohydrates 462, 3392
chlorophyll 261, 462, 3392
enzymes 902, 1199
fats 3638
fatty acids 261
nucleic acids 3638
pigments 261
proteins 3638
waxes 911
penetration 911
photosynthesis 462
respiration 462
uptake 2603
residues
plant 3333
plant products 921
soil 3315, 3333
soil relations 1616
degradation 3041, 3679
microbial 940, 4096
leaching 332, 3333, 3352
microbial activities 1063
nitrogen fixation 1671
moisture 3679
temperature 3041

EPTC *contd.*
soil relations *contd.*
type 940, 3679
water quality 2603
toxicology
mammals 316
mutagens 4004
soil mesofauna 3347
usage
additives 360, 1294, 1616, 3041, 3885, 4096
antidotes 14, 1199, 1258, 1295, 1361, 1617, 1620, 2011, 2337, 2368, 2685, 2726, 2730, 3188, 3393, 3638, 3755, 3762
application, methods 3819, 3821
climate 3679
compatibility 1970
fertilizers 721, 1971, 3819
growth regulators 903
herbicides 1258
insecticides 3333
crops 997
cereals 14, 416, 716, 828, 1258, 1294, 1295, 1296, 1615, 1617, 1620, 2011, 2368, 2685, 2715, 2716, 2718, 2719, 2720, 2724, 2726, 3392, 3393, 3394, 3755, 3762
forage crops 59, 464, 745, 746, 1339, 1655, 1658, 2410, 2904, 3152, 3454, 3458, 3821
forests 147, 2832
oilseed crops 50, 2396, 3148
ornamental crops 3352
plantation crops 1361
pulses 721, 1971, 2032
root crops 40, 42, 45, 458, 461, 465, 2042, 2044, 2391, 2761, 2764, 3801
vegetable crops 82, 85, 498, 1062, 1674, 2603
damage 1620, 1674, 2764, 3394
diseases 721, 1063
irrigation 1970, 2603
mixtures 14, 45, 50, 59, 85, 464, 716, 721, 746, 1294, 1296, 1674, 2715, 2720, 2724, 3885
atrazine 2337
persistence 2337, 3041, 3679, 3885
pests 3347
quality 3392
selectivity 1062, 3148, 3454
sequences 40, 461, 716, 745, 1339, 2764
weeds 176, 1396, 1737, 2470
Ethalfluralin
analysis, chromatography 3024
residues, soil 1664, 3471
soil relations
microbial activities, soil enzymes 3693
microorganisms 1954
bacteria 2367, 3693
fungi 3693
usage
application 2803
methods 1064
crops
cereals 2367
fibre crops 1332
forage crops 1595
oilseed crops 50, 1043, 1326, 1595, 1954, 3440
pulses 1064, 3770, 3787, 3841
vegetable crops 84, 94, 95, 1664, 1665, 2096, 2803, 3466, 3841
damage 2803
legislation 94
mixtures 50, 176, 1043, 1326, 1954, 3787
atrazine 2367
quality 2367
weeds 176, 3912
Ethanol, 2,4,5-trichlorophenoxy- (*see* Fenteracol)
Ethephon 113, 248, 409, 1099, 1102, 1337, 2986, 3628
Ether, 2-chloro-4-trifluoromethylphenyl 3-ethoxy-4-nitrophenyl (*see* Oxyfluorfen)
Ether, 2-chloro-4-trifluoromethylphenyl 4-nitrophenyl (*see* Nitrofluorfen)
Ether, 2,4-dichlorophenyl-3-ethoxyethoxyphenyl 4-nitrophenyl 448

Ether, 2,4-dichlorophenyl 3-methoxy-4-nitrophenyl 2253, 2254, 3299, 4047
Ether, 2,4-dichlorophenyl 4-nitrophenyl (*see* Nitrofen)
Ether, 4-nitrophenyl 2-nitro-4-trifluoromethylphenyl (*see* Fluorodifen)
Ether, 4-nitrophenyl 2,4,6-trichlorophenyl (*see* Chlornitrofen)
Ethers, diphenyl 1194, 1198, 2615, 2616, 3282
Ethers, nitrophenyl phenyl 4012
Ethidimuron
usage
crops, rangeland 63
non-crop situations 2841
Ethofumesate
physiological effects
germination 597
metabolism 2241, 3298
waxes 3289
photosynthesis 2241
respiration 2241
translocation 2241, 3298
uptake 1000, 2241, 3298
residues
plant 2064
soil 2064, 3800
soil relations
degradation, chemical 2655
lateral movement 939
microbial activities
nitrification 351
respiration 351
soil enzymes 351
moisture 1000, 2655
type 1000
usage
climate 2655
compatibility 1234
herbicides 1039, 3289
crops
fibre crops 4
forage crops 2070
grassland 483, 743, 744, 1048, 1648, 1653, 1654, 2064, 2071, 2405, 2777, 3151
lawns and sports turf 2103
medicinal herbs 479
ornamental crops 3848
plantation crops 2062
root crops 39, 457, 460, 731, 1037, 1038, 1039, 1328, 1639, 2038, 2040, 2389, 2390, 2761, 3127, 3131, 3795
small fruits 767, 1353, 1589, 1689, 2105, 2444, 3483, 3854, 3856
vegetable crops 68, 1665, 2422, 2424, 2425, 3162
damage 1589, 1648
economics 2390
mixtures 39, 68, 457, 460, 479, 731, 1037, 1038, 1039, 1328, 1689, 2038, 2040, 2071, 2105, 2405, 3127, 3151, 3854, 3856
phenmedipham 2390
persistence 939
quality 2062
selectivity 2070, 3298
sequences 39, 1048, 2038, 2040, 2071, 2405, 3162
Ethylene 186, 248, 1752, 2137, 2138, 3620, 3622, 3988
Ethylenediamine, *N'*-(4-cyclohexylphenyl)-*N,N*-diethyl-1,2- 275
Europe
flora 2509
herbicide, legislation 685
Experimental techniques 646, 3361, 3599
herbicide 44, 267, 279, 285, 294, 632, 633, 649, 655, 910, 933, 965, 1542, 1895, 1930, 1948, 2610, 2643, 3288, 3623, 3708, 3713, 4033
mathematical models 671, 853, 960, 991, 1547, 1929, 2278, 2494, 2643, 3064, 3229, 3362, 3642, 3683, 3696, 3905
statistical analysis 1145, 1536, 1982, 2461, 3221, 3942, 4124
weed 181, 251, 279, 557, 558, 629, 630, 631, 693, 694, 813, 831, 990, 2546, 3082, 3543, 3713, 3726, 4033, 4124

Fenoprop
analysis 287

Fenoprop *contd.*
analysis *contd.*
chromatography 3011, 3304, 3306
gas-liquid chromatography 1524
residues
plant 3011
plant products 3011
soil 1524
toxicology
laboratory animals 1932
man 3304
usage
crops
cereals 2019, 3402, 3585
forests 3034
grassland 482
lawns and sports turf 509
rangeland 803, 3463
tree fruits 2449
economics 3585
legislation 3714
USA 377
mixtures 509, 3402, 3525, 3585
weeds 3525
aquatic 3714
woody 780, 1373
Fenteracol
usage
mixtures 176
weeds 176
Fenuron
analysis 280
chromatography 2250
physiological effects, metabolism, enzymes 893
soil relations
leaching 4067
microbial activities, soil enzymes 3687
usage
crops
forests 3877
rangeland 66
root crops 3430
damage 3430
mixtures 3430
persistence 4067
sequences 3430
Flamprop 2989
analysis 3310
physiological effects, degradation 3310
residues 3310
soil relations, microorganisms, fungi 1959
usage
compatibility, herbicides 3098
crops
cereals 3098
grassland 2780
oilseed crops 3098
mixtures 3098
weeds 1396
yield 2780
Flamprop-isopropyl
chemistry and properties, structure/activity relationships 4028
physiological effects
degradation 2635
metabolism, enzymes 4028
mode of action 4028
residues
plant 2635
soil 2646
soil relations, degradation 2646
usage
application, methods 3055
compatibility
fungicides 675
herbicides 675
crops
cereals 414, 425, 426, 1288, 1597, 1608, 2541, 2710, 3385
grassland 483, 3151
pulses 2740
damage 1608
economics 380
mixtures 175, 414, 1597, 3385
persistence 2646
quality 1288
sequences 175
species shift 2541
yield 2710
Flamprop-methyl
chemistry and properties, synergism 3291
physiological effects
metabolism 3291
amino acids 1191
chlorophyll 1191
enzymes 4028
proteins 1191
penetration 3291
photosynthesis 1191
translocation 3291
usage
climate 1601
compatibility
fungicides 675
herbicides 675, 1601
crops
cereals 425, 426, 1277, 1281, 1601, 1603, 2541, 2706, 3387
grassland 1650
oilseed crops 3442
damage 3387
mixtures 1089
sequences 426, 1277, 3678
species shift 2541
weeds 1089
Flora 191
aquatic 2881
Argentina 3210
Asia 3937
Brazil 819, 820, 821, 822, 2542, 3240
Cuba 818, 2510
Denmark 817
Europe 2509
India 1112, 1137, 1445, 1446, 1456, 2325, 2879
Indonesia 193
Iraq 2880
Japan 549
New Zealand 2881, 2882
Portugal 2540
Solomon Islands 2
South Africa 3257, 3554
UK 547
Uruguay 3210
USA 3208
Illinois 3550, 3551
states, Georgia 805
USSR 225, 566, 569, 1129
weed 2882
Fluazifop
usage
additives 3830, 3834
application, methods 3783
compatibility, herbicides 3089
crops 2333
cereals 3088
fibre crops 999, 3134
forage crops 2382, 2877, 3152, 3735
grassland 2409, 3151
oilseed crops 999, 2338, 2767, 3089, 3090, 3733, 3734, 3810
pulses 999, 2385, 2740, 3410, 3733, 3734, 3735, 3770, 3776, 3778, 3782, 3783
root crops 999, 1589, 2037, 2038, 2040, 2338, 3089, 3733, 3734, 3735
small fruits 1589, 3856
vegetable crops 1589, 1663, 2338, 2420, 3089, 3735, 3830, 3834
mixtures 995, 999, 2038, 2338, 2420, 3134, 3735, 3776, 3778
rates 995
selectivity 1739
sequences 2037, 2038, 2040, 2338, 3410, 3776, 3778, 3830
weeds 1739
wetters 995
Fluchloralin
formulation, granules 2378
physiological effects
cytology 4018
metabolism, enzymes 4018
respiration 4018
residues
plant 1327
soil 1240, 2297, 3109, 3471
soil relations
degradation 2297
photolytic 3109
vaporization 2297
Fluchloralin *contd.*
soil relations *contd.*
microbial activities 1246
microorganisms
bacteria 1246
fungi 1246
type 3109
usage
compatibility
growth regulators 3059, 3060
insecticides 3059, 3060
nematicides 1240
crops
cereals 2297, 2378, 2733, 3407
fibre crops 2395, 2741, 3059, 3060
oilseed crops 1327
pulses 2297, 2741, 3416, 3780
root crops 1643
small fruits 1347
vegetable crops 82, 493, 3840
damage 2297, 3109
mixtures 3780
metribuzin 3416
persistence 1240, 2297
sequences 3840
yield 1347, 2297
Fluometuron
physiological effects
metabolism
chlorophyll 262
nucleic acids 619
soil relations
adsorption 2647
leaching 1948, 2284
microbial activities 4090
type 941
toxicology
Fasciola hepatica 3319
laboratory animals 1227
mutagens 4005
usage
application, methods 736, 1041, 2053
compatibility
growth regulators 3059, 3060
insecticides 3059, 3060
crops
cereals 2364
fibre crops 4, 471, 472, 736, 1041, 2053, 2398, 2753, 2770, 3059, 3060, 3137, 3145, 3435, 3437, 3805, 3807, 4005
forests 144
medicinal herbs 2401, 2457
plantation crops 742
root crops 2165, 2364
damage 941
mixtures 4, 471, 2165, 2398, 3137, 3435, 3437
metolachlor 2364
persistence 2642
rescue crops 2753
selectivity 3522, 3805
sequences 742, 3137
yield 2770
Fluorene-9-carboxylic acid, 2-chloro-9-hydroxy- (*see* Chlorflurecol)
Fluorene-9-carboxylic acid, 9-hydroxy- (*see* Flurecol)
Fluorodifen
physiological effects, germination 3636
usage
crops
cereals 416, 1611, 3371
forests 143, 144
oilseed crops 455
plantation crops 742
pulses 1630
vegetable crops 2080, 2794, 3475, 3476
mixtures 455, 2080, 2794, 3371, 3475, 3476
sequences 742
Flurecol 429, 1133
analysis 280
usage
crops, cereals 1288, 1604, 1624
mixtures 1288, 1604, 1624
quality 1288, 1604
Fluridone
analysis
bioassay 635
chromatography 1533
mass spectrometry 3044

Fluridone *contd.*
physiological effects
metabolism
chlorophyll 635
enzymes 893
pigments 1899
mode of action 1249
soil relations
adsorption 3044, 4073
degradation 3044
photolytic 3045
leaching 3136, 4071, 4073
moisture 4071
type 3044, 4071
toxicology, aquatic organisms 3321
usage
climate 2314
crops 997
fibre crops 396, 471, 1332, 2753, 2768, 3136, 3805
plantation crops 3869
mixtures 471
trifluralin 3136
rescue crops 2753
selectivity 3805
weeds, aquatic 2314
Formamide 2664
Fosamine
chemistry and properties 277
physiological effects
degradation 1908
exudation 1189
mode of action 277
penetration 1908
translocation 1189, 1908
uptake 1189
soil relations, degradation 277
toxicology 277
usage
application 277
methods 1711, 2463
crops
cereals 2019
forests 149, 1372, 1711, 1908, 2835, 3871
grassland 3823
non-crop situations 1391, 2835, 2839
weeds, woody 1372, 1391, 1725, 2463, 3823
France, weed control, review 124
Furanones, phenyl- 1194

GA 903, 907, 1099, 1102, 1399, 1496, 1502, 1739, 1892, 2188, 2225, 2980, 2992, 2997, 3184, 3198, 3275, 3276, 3280, 3292, 3293, 3531, 3599, 3620, 3627
Gambia, The 858
flora, survey 839
Georgian SSR, weed control, review 390
German Democratic Republic
flora 2539, 3234, 3235
herbicide
economics 3717
legislation 2269
weed control, review 2690
German Federal Republic
flora 3236, 3575
herbicide
economics 5
legislation 967
weed control 3460
Gibberellic acid (*see* GA)
Glufosinate
usage
crops
forage crops 3822
small fruits 1070
tree fruits 1070
mixtures
diuron 1070
MCPA 1070
selectivity 3822
stubble 3754
L-Glutamine 1099, 1102
Glycine, *N*-(phosphonomethyl)- (*see* Glyphosate)
Glyoxal dioxime, dimethyl- 2730
Glyphosate
analysis
chromatography 2631, 3031, 3660
colorimetry 2632
liquid scintillation counting 910
mass spectrometry 3660

Glyphosate *contd.*
analysis *contd.*
nuclear magnetic resonance 276
spectrophotometry 276
thin-layer chromatography 3031
chemistry and properties
antagonism 513, 2665
solubility 1214
structure/activity relationships 276, 278, 3660
synergism 175
synthesis 278
volatility 1213, 1214
formulation 1214
physiological effects 2688, 3645
adsorption 3628
climate 1969
cytology, chloroplast 1208
degradation 626, 1207, 1214, 1219, 3548
exudation 1189, 3648
genetics 4002, 4003
germination 3450
metabolism 1214, 3058, 3297, 3647
amino acids 1208, 1209, 3646
carbohydrates 131, 3004, 3646
chlorophyll 896, 1206
enzymes 1208, 1209, 3630
nucleic acids 1208
proteins 1208
mode of action 1209, 1214, 3646, 3647
penetration 798, 1910, 3521, 3535, 3628
photosynthesis 895, 1208
respiration 131, 1208, 3646
translocation 131, 625, 626, 798, 910, 1091, 1189, 1205, 1207, 1893, 1909, 1910, 1915, 1969, 2240, 2815, 2855, 2986, 3003, 3004, 3058, 3521, 3548, 3628, 3648, 4001, 4024
transpiration 2239, 2240
uptake 625, 1189, 1207, 1909, 1915, 1969, 2130, 2855, 3058, 3648
residues 1213
animal products 1214
plant 408, 1219, 2631, 2637, 3031, 3329
plant products 408, 1076, 1214
soil 1214, 2688
water 1220, 2267
soil relations
degradation 1214, 2306, 2657, 4081
photolytic 1214
fertility 667
leaching 1214
microbial activities 1967
nitrification 667, 2657
nitrogen fixation 2657
soil enzymes 1563
microorganisms 3686
moisture 672, 701
organic matter 1967, 2306
pH 667, 2306
runoff 1220
straw 1967
temperature 672
type 2306, 4081
toxicology 1213
aquatic organisms 304, 2267, 3320
birds 1551
environmental pollution 2267
fish 155, 1545, 3327
mammals 155
soil mesofauna 4086
wildlife 3328
usage 1600
additives 173, 404, 673, 1573, 2130, 2325, 2986, 3056, 3098, 3535, 3859
application 2130, 2748
equipment 364, 1976, 2029, 2316, 2317, 2669, 2670, 2745, 2749, 2814, 3140, 3353, 3421
methods 67, 173, 370, 371, 404, 679, 701, 769, 799, 910, 1077, 1080, 1214, 1278, 1316, 1317, 1362, 1710, 1711, 1973, 1975, 2029, 2408, 2463, 2668, 2729, 2814, 2818, 3066, 3117, 3140, 3421, 3438, 3700, 3732, 3798, 3799
climate 672, 701, 703, 1969
compatibility
fertilizers 700, 1746

Glyphosate *contd.*
usage *contd.*
compatibility *contd.*
growth regulators 2855, 4001
herbicides 700, 1601, 2665, 2745, 3058
crops 997
cereals 3, 9, 21, 404, 405, 408, 1002, 1278, 1297, 1298, 1316, 1573, 1593, 1601, 1967, 2134, 2335, 2350, 2695, 2729, 2732, 3092, 3094, 3368, 3386, 3395, 3402, 3421, 3586, 3645, 3648, 3738, 3745, 3753, 3755
fibre crops 4, 2670, 3140, 3141, 3438
forage crops 1655, 1656, 2070, 2072, 2073, 3450, 3453, 3455, 3822, 3838
forests 145, 146, 149, 519, 775, 1080, 1372, 1374, 1710, 1711, 1712, 1720, 1721, 2120, 2830, 2836, 2842, 3510, 3875, 4108
grassland 53, 54, 173, 489, 490, 1052, 1336, 1651, 2350, 2406, 2408, 2412, 2786, 3157, 3448, 3451, 3459, 3460, 3815, 3823
lawns and sports turf 109, 1684, 3480
oilseed crops 1573, 3175, 3440
ornamental crops 99, 1682
plantation crops 137, 138, 141, 700, 701, 773, 1076, 1077, 1213, 1362, 1368, 1369, 1370, 1454, 1701, 1703, 1707, 2115, 2117, 2453, 3175, 3176, 3366, 3503, 3506, 3866, 3867
pulses 30, 31, 1298, 1316, 1317, 1318, 1320, 1633, 1976, 2670, 2745, 2749, 3113, 3116, 3117, 3118, 3417, 3421, 3753
rangeland 64, 67, 750, 2413, 2843, 3815, 3941, 4001
root crops 364, 730, 2316, 3798, 3799
small fruits 121, 123, 513, 769, 1691, 1692, 1693, 1694, 2106, 2108, 2109, 2316, 2317, 2446, 2447, 2814, 2815, 2818, 2821, 3488, 3490, 3716, 3859
tree fruits 126, 131, 513, 770, 1090, 1219, 1359, 1360, 1697, 2111, 2448, 2449, 2821, 2824, 3859, 3862
vegetable crops 3, 71, 81, 1673, 2087, 2316, 2317, 2335, 2792, 2794, 3165, 3838
damage 770, 1207, 1692, 2447, 2824, 3645
diseases 3344
economics 380, 1369, 2120, 2854
mixtures 30, 31, 99, 146, 173, 175, 673, 770, 798, 799, 1298, 1368, 1633, 1694, 1720, 2131, 2665, 2792, 2794, 2850, 3488, 3753, 3755
bromoxynil 3058
2,4-D 2854, 3058
dalapon 2109, 2446
dicamba 1207
diuron 3859
ethephon 2854
napropamide 3859
oryzalin 3859
oxyfluorfen 3859
simazine 513, 3859
non-crop situations 1085, 1728, 2849, 2853
persistence 1298
pests 1271, 1359, 1721
quality 408
selectivity 137, 856, 1085, 2070, 2836, 3003, 3176, 3450, 3822, 4003
sequences 1318, 1703, 2850, 2856, 3141, 3191
stubble 404, 703, 3094, 3344, 3754
sward destruction 3446, 3453
weeds 177, 572, 625, 797, 798, 799, 801, 1271, 1389, 1739, 1740, 2130, 2131, 2132, 2471, 2543, 2854, 2856, 2860, 3003, 3191, 3888
aquatic 155, 158, 162, 304, 3004, 3183
parasitic 2936

Glyphosate *contd.*
usage *contd.*
weeds *contd.*
woody 769, 1372, 1374, 1380, 2123, 2463, 2843, 3178, 3823
wetters 371, 625, 1910
yield 2350, 3165
Growth regulators 89, 113, 114, 115, 186, 273, 608, 622, 969, 1103, 1500, 1753, 1890, 2594, 2873, 2875, 2980, 3207, 3275, 3278, 3279, 3280, 3626, 3628, 3664, 4025

Herbicides
analysis 294, 324, 633, 2243, 4029
bioassay 285, 1250, 4033
chromatography 280, 281, 284, 634, 915, 1215, 1531, 1534, 2263, 2264, 2624, 3009, 3012, 3013, 3016, 3023, 3025, 4034, 4036, 4038
fluorescence analysis 3014
gas-liquid chromatography 283, 918, 3021, 3022, 3313
mass spectrometry 3023, 4036, 4038
nuclear magnetic resonance 3655
symposium 4030
thin-layer chromatography 280, 282, 3009
chemistry and properties 2243, 4029
antagonism 2665
development 627, 914
hydrolysis 3651
impurities 3034, 3664, 3670
melting point 2620, 3302, 3651
photolysis 3676
solubility 275, 633, 1518, 1917, 2620, 3302, 3651
stability 275, 2624, 3651
structure/activity relationships 1518, 1523
synergism 273
synthesis 273, 914
vapour pressure 4034
volatility 2620
formulation 154, 676
controlled release 781, 4026
manufacture 3664
physiological effects 3618
adsorption 172
book 247
cell division 2602
cytology 1190, 1501, 2994, 3282
binding site 894, 1898, 3633, 4022
chloroplast 1471, 1553, 3619
degradation 610, 2232
genetics 1190, 3283
germination 3651
metabolism 1506, 4025
chlorophyll 1523
enzymes 172, 1503
fats 1471
fatty acids 1903
minerals 613
nucleic acids 2602, 3619
oils 1505
pigments 1194
proteins 2602, 3619
mode of action 247, 601, 610, 894, 1194, 1250, 1518, 1553, 1898, 2232, 3295, 3619, 3631, 3651
penetration 172, 356, 1506, 1880, 3391
photosynthesis 894, 912, 913, 1193, 1194, 3295, 3631, 3632, 3633, 4007, 4020, 4025
respiration 1903, 2994, 3282, 4025
review 3619
translocation 172, 1518, 3651, 4025
uptake 610, 1518, 3651, 4025
residues 285, 294, 324, 1536, 3664
atmosphere 915, 3339
book 1233
plant 281, 282, 284, 617, 1541
plant products 931, 932, 1541
review 3034
soil 281, 282, 284, 649, 1233, 1537, 1941, 2268, 2334, 3021, 3022, 3478
water 281, 282, 284, 633, 2269, 3023, 3316
soil relations 1518, 3362, 4025
adsorption 331, 651, 1233, 2277, 2279, 2280, 2281, 2282, 2298
book 1233
degradation 331, 2268, 2281, 4038

Herbicides *contd.*
soil relations *contd.*
degradation *contd.*
chemical 311, 938, 1233
microbial 301, 311, 938, 940, 1233, 1236, 1242, 2300, 2301, 2645, 3651, 4062
photolytic 938, 2277, 3676
fertility 125, 2277, 4062
lateral movement 3339
leaching 1233, 2623
microbial activities 311, 4062
nitrification 3688
nitrogen fixation 1565, 3281, 3689
soil enzymes 948, 4083
microorganisms 301, 642, 643, 1233, 1590, 4062
bacteria 3331
moisture 649, 650
organic matter 331, 650, 1553, 2277, 2298, 3022
pH 1561, 2277
runoff 125, 748, 1055, 3030, 4039
straw 761, 948
temperature 649, 2277
type 331, 1233, 1554, 3580
water quality 2269, 3030, 4039
toxicology 3664, 3715, 4025, 4062
aquatic organisms 300, 307, 645, 1547, 3035, 3316
bees 1264
birds 1546, 3665
disposal 786, 1231, 1232
environmental pollution 299, 300, 301, 302, 303, 696, 1264, 1522, 1542, 1544, 1547, 1590, 2243, 2269, 2673, 3030, 3339, 3663, 3669, 4046, 4058
fish 275, 307, 1264, 3035, 3316
laboratory animals 275
livestock 1264
mammals 316
man 318, 319, 320, 322, 323, 325, 326, 327, 686, 931, 932, 1264, 3667, 3669, 4057
mutagens 2232
review 1221
soil mesofauna 642, 1251, 3347
wildlife 686, 1264, 3154
usage
additives 1385, 3628, 4006
antidotes 273, 3447, 3664, 4025
application 1254, 1518
equipment 1571, 1590, 1591, 1974, 1977, 3711, 4057, 4102
methods 669, 1591, 2320, 2404, 3870
climate 650, 2369, 3232
compatibility
fertilizers 2664, 3562
fungicides 350, 2691
herbicides 3415, 3518
crops 613
cereals 5, 9, 385, 403, 421, 1273, 1279, 2269, 2682, 2736, 3074, 3365, 3367, 3446, 4107, 4116
fibre crops 2769
forage crops 1050, 1273, 2682, 3446
forests 148, 151, 518, 1708, 2118, 2119, 2459, 3651, 3879, 4102, 4120
grassland 58, 2063, 2269, 2404, 2682, 3209, 3357, 3446
oilseed crops 1273, 2057
ornamental crops 973, 1351, 2436, 3478, 3479, 3651, 3847
plantation crops 1686, 3869
pulses 3367
root crops 1273, 2269, 2682, 3130, 3446
small fruits 1686, 2820
tree fruits 1686, 3171, 3483, 4058
vegetable crops 87, 973, 3367, 3471, 4123
damage 613, 642, 3663, 3870
diseases 642
economics 66, 378, 379, 384, 971, 972, 973, 1053, 1264, 1370, 1983, 3074, 4117
fertilizers 1385, 1590, 2355
legislation 1230
approval schemes 307, 376, 685, 686, 786, 967, 968
Italy 3715

Herbicides *contd.*
usage *contd.*
legislation *contd.*
German Democratic Republic 2269
mixtures 1385, 2402, 2665, 3480
non-crop situations 3667
packaging 1230, 4057
persistence 642, 762, 1233, 1554, 1590, 2334
pests 3347
quality 1590
rescue crops 738, 2334
selectivity 601, 1233, 1590, 1805, 2599
species shift 2111, 3933
storage 2318
sward destruction 2065
sward renovation 2065
weeds 643, 1805, 3890
aquatic 308, 1547, 2330, 3325, 3516, 4110
woody 778, 3719
wetters 4086
yield 698, 1612, 3074, 3933
Hexaflurate 3525
Hexazinone
formulation
aqueous concentrates 2414
flowable 519
granules 118, 519, 2838
pellets 1718, 2414
residues, soil 3341
soil relations
degradation 3341
leaching 3341
type 1719, 3341
usage
application
equipment 2465
methods 118, 2463
climate 117, 703, 2414, 3341
crops
cereals 6, 3093
forage crops 746, 1595, 2782, 2783, 2784, 2785, 3820, 3822
forests 149, 519, 1716, 1718, 2120, 2829, 2831, 2837, 2838, 2842, 3523, 3878
grassland 1045, 1336, 2786, 3816
plantation crops 1701, 2452, 2826, 3496, 3497, 3498
rangeland 63, 749, 2414, 2843, 3464
small fruits 117, 118, 768, 2816, 2817, 3170
tree fruits 515
vegetable crops 2792
damage 2120, 3170, 3816
mixtures 6, 1701, 2792, 2826, 3093, 3496, 3497
persistence 3341
selectivity 749, 2837, 3496, 3822
sequences 2784, 3820
stubble 703, 3093
weeds 2853
aquatic 785
woody 1719, 2414, 2463, 2464, 2465, 2838, 2843, 3878
Hydrogen peroxide 783
Hydroquinone 2597
Hydroxamate, methyl thioaceto- 2730
Hydroxylamine hydrochloride 1099, 1102
Hypochlorite, calcium 2225

IAA 907, 1099, 1102, 1184, 1186, 1972, 2188, 3198, 3275, 3297, 3647
Imidazole, 1-(3,4-dichlorobenzyl)-4,5-di(methylcarbonamido) 3005
Imidazolidin-2-one, 4-hydroxy-1-methyl-3-(2-t-butyl-1,3,4-thiadiazol-5-yl)- (*see* Buthidazole)
India
flora 568, 1112, 1445, 1446, 1456, 2879
herbicide, economics 3426
weed control
economics 2547, 3516
review 1699, 3172
Indonesia
flora 193
herbicide, review 701
Ioxynil
analysis, gas-liquid chromatography 1524, 1527, 2255
residues, soil 1524

Ioxynil *contd.*
usage
crops
cereals 7, 411, 412, 420, 422, 423, 430, 1288, 1998, 1999, 2692, 2694, 2696, 2697, 2698, 2704, 3351, 3368, 3377, 3378, 3379, 3402, 3739, 3741
plantation crops 1363, 1366, 2452, 2826
vegetable crops 70, 72, 2420, 2795
economics 2704
mixtures 7, 70, 411, 412, 422, 423, 430, 765, 1288, 1363, 1998, 1999, 2452, 2692, 2694, 2696, 2697, 2698, 2826, 3351, 3368, 3377, 3378, 3379, 3402, 3739, 3741
2,4-D 1366, 1380
quality 1288
rates 3741
selectivity 2694
sequences 72, 2420
weeds 801
woody 1380
Iran, flora 1345
Iraq, flora 2880
Isocarbamid
usage
crops
root crops 459, 1642, 2389
vegetable crops 68
damage 68
mixtures 68, 459, 2389
lenacil 1642
yield 1642
Isopropalin
analysis, chromatography 3024
physiological effects, metabolism 3445
residues, plant products 929
usage
crops
plantation crops 3445
vegetable crops 1062
selectivity 1062
Isoproturon
analysis, bioassay 2648
formulation
emulsions 2607
flowable 2607
physiological effects
cytology, binding site 620
metabolism 620
penetration 2607
translocation 620, 2607
uptake 620
residues, soil 1986
soil relations
degradation 2276, 2286
leaching 2286, 2648
microbial activities, soil enzymes 2007
moisture 418
pH 3677
straw 1942, 2007, 2286
temperature 2276
type 2607
usage
application, methods 417
compatibility
growth regulators 3380
herbicides 3302
pesticides 2276
crops
cereals 7, 412, 416, 417, 418, 419, 422, 423, 706, 709, 1004, 1277, 1282, 1942, 1995, 1996, 1997, 1998, 1999, 2007, 2343, 2347, 2358, 2381, 2693, 2694, 2699, 2701, 2702, 2708, 2739, 3372, 3374, 3376, 3377, 3378, 3380, 3387, 3388, 3729, 3739
vegetable crops 68
damage 68, 2007, 3372, 3387
economics 380
mixtures 7, 412, 417, 419, 422, 423, 1004, 1996, 1997, 1998, 1999, 2693, 2694, 2701, 2708, 2739, 3372, 3376, 3377, 3378, 3388, 3729, 3739
bifenox 1001
dinoseb 2286
mecoprop 1001
tri-allate 2294
persistence 2294, 3731
pests 3388

Isoproturon *contd.*
usage *contd.*
selectivity 620, 2693, 2694, 2699
sequences 1277, 3376, 3378
weeds 543
yield 1004, 1282
Isouron
soil relations
degradation 2650
microorganisms, fungi 2650
Italy
herbicide
legislation 3715
statistics 3718

Japan 2911
flora 549
herbicide
economics 1580
legislation 688
organization 688
review 2614
statistics 1580

Kaolin 3056
Kenya, weed control, economics 1582
Kinetin 1099, 1102, 1882, 3280

Legislation
herbicide 376, 686, 3715, 4025
Europe 685
Japan 688
standard 3070
UK 154
USA 377, 627, 3009
USSR 627
weed control 3071
Australia 4113
USA 2921, 4113
Lenacil
analysis
gas-liquid chromatography 2262
thin-layer chromatography 292, 3312
physiological effects, genetics 2999
residues, soil 4043
soil relations
degradation 953, 1035
microbial activities
nitrogen fixation 949
respiration 954
soil enzymes 954
microorganisms
bacteria 944, 949
fungi 3046
organic matter 953
usage
compatibility 1234
crops
fibre crops 48
forage crops 59
medicinal herbs 1505
ornamental crops 2810, 3848
root crops 44, 458, 459, 461, 731, 732, 1035, 1640, 1642, 2038, 2389, 2760
small fruits 1689, 2105, 2813, 3716, 3854, 3856
tree fruits 1695
vegetable crops 68, 495, 2796, 3837
damage 68, 1695, 2810
diseases 1269
mixtures 44, 48, 59, 68, 458, 459, 461, 495, 731, 1035, 1269, 1640, 1689, 2038, 2105, 2389, 2796, 2813, 3837, 3854, 3856
isocarbamid 1642
selectivity 732
sequences 458, 461, 495, 1640, 2038, 2760, 2796
yield 1642
Linuron
analysis 4035
chromatography 1525, 2628
gas-liquid chromatography 291, 1921
review 274
spectrophotometry 289
thin-layer chromatography 289
chemistry and properties
review 274
synergism 438
physiological effects
cytology 612
degradation 881, 1938

Linuron *contd.*
physiological effects *contd.*
genetics 612
metabolism
amino acids 881, 2010
carbohydrates 2010
chlorophyll 258
enzymes 881, 3630
minerals 258
oils 2051
proteins 881, 2010, 2051
morphology 4085
photosynthesis 1300
review 274
residues
plant 641
plant products 929
review 274
soil 143, 641, 1986, 2278, 2295, 3486, 4043
soil relations
adsorption 2295
degradation 943, 4070
microbial 2295
leaching 4061
microbial activities 1246
nitrification 345, 1567
nitrogen fixation 1671, 2308, 2310, 3772, 4085
respiration 345
soil enzymes 2307
microorganisms 1954
bacteria 345, 1246, 2656
fungi 345, 1246, 1949
pH 3677
straw 1942
type 4070
toxicology
laboratory animals 1938
mutagens 4004
review 274
usage
additives 19
application, methods 1296
climate 25
compatibility
growth regulators 2002
herbicides 1089
crops
cereals 19, 413, 438, 443, 445, 714, 1289, 1296, 1300, 1605, 1783, 1942, 1996, 2002, 2008, 2010, 2351, 2370, 2381, 2683, 2685, 2693, 2694, 2701, 2708, 2739, 3102, 3399, 3752
culinary herbs 2430
fibre crops 48, 2048, 2052, 3434
forage crops 60, 2383, 2781, 3434, 3772
forests 143, 145
grassland 1649
medicinal herbs 774, 2401, 2430, 2457
oilseed crops 38, 455, 1954, 2051, 2052, 2396, 2773
plantation crops 1370, 2060, 2455
pulses 4, 25, 28, 30, 31, 90, 722, 724, 1632, 1633, 2022, 2024, 2030, 2385, 2386, 2387, 2742, 2751, 3091, 3114, 3115, 3121, 3410, 3413, 3423, 3425, 3756, 3775, 3779
root crops 46, 468, 1330, 1331, 2037, 3132, 3793, 3802
small fruits 3482
vegetable crops 68, 70, 492, 641, 754, 759, 1132, 1596, 1668, 2008, 2083, 2421, 2422, 2424, 2425, 2426, 2794, 2799, 2805, 3114, 3160, 3472, 3833, 3834, 3835
damage 38, 445
economics 3779
mixtures 19, 28, 30, 31, 48, 60, 70, 145, 176, 413, 443, 445, 455, 673, 722, 754, 1038, 1089, 1289, 1596, 1605, 1632, 1633, 1668, 1954, 1996, 2008, 2022, 2037, 2048, 2083, 2370, 2385, 2386, 2387, 2656, 2683, 2693, 2694, 2701, 2708, 2739, 2742, 2751, 2781, 2794, 2805, 3091, 3102, 3115, 3434, 3678, 3775, 3779, 3793, 3833, 3835
atrazine 438, 2010

Linuron *contd.*
usage *contd.*
mixtures *contd.*
bifenox 2351
2,4-DB 3425
monolinuron 2351, 3160
nitrofen 2351
propazine 3399
trifluralin 1942, 2324, 2351
persistence 2278, 3731
quality 1605, 2052
rates 38
rescue crops 2324, 2683
selectivity 2008, 2693, 2694
sequences 38, 413, 2037, 2773, 3793
weeds 176, 1089
aquatic 163
parasitic 2781
wetters 674
yield 1300, 3114
Lithuanian SSR, flora 391

Maleic hydrazide
physiological effects
cytology, protoplast 1504
metabolism
enzymes 893
nucleic acids 1902
proteins 1902
mode of action 622, 1902
pollen germination 3629
residues
plant products 119
water 119
usage
antidotes 89
crops
cereals 3368
grassland 1683
small fruits 119
MCPA
analysis 287
bioassay 1494
chromatography 1528, 1918, 3010, 3011, 3306, 3650
gas-liquid chromatography 1527
polarography 2256, 2627
spectrophotometry 1529
thin-layer chromatography 2257
chemistry and properties
antagonism 2983
impurities 1529
structure/activity relationships 3343
synergism 2360
volatility 3650
formulation 3397
physiological effects
anatomy 880
genetics 1494
metabolism
carbohydrates 614, 2050
enzymes 3343, 3634
fats 2050
minerals 1009
oils 2051
proteins 1495, 2051
waxes 2050
residues
atmosphere 3770
plant 297, 3011
plant products 3011
soil 329
water 2627
soil relations
adsorption 2643
degradation 329, 1557, 1945, 3678
microbial 330, 2288
microbial activities, soil enzymes 330, 346
microorganisms 8
bacteria 330
moisture 1945
type 3678
toxicology
laboratory animals 1932
mutagens 1935
usage
additives 1255, 3760
application 1333
equipment 1924
compatibility
fertilizers 3730, 3747
growth regulators 2001

MCPA *contd.*
usage *contd.*
compatibility *contd.*
herbicides 1089, 1186, 1574, 1601, 1972, 2983, 3098, 4097
crops
cereals 7, 8, 10, 297, 411, 414, 420, 422, 428, 429, 430, 446, 477, 480, 1008, 1009, 1132, 1285, 1287, 1288, 1601, 1604, 1605, 1611, 1624, 1783, 2001, 2017, 2348, 2359, 2360, 2373, 2692, 2693, 2717, 2853, 3095, 3098, 3351, 3368, 3379, 3384, 3385, 3397, 3402, 3739, 3741, 3747, 3760
fibre crops 48, 734, 2050, 3134
forage crops 428, 480, 486, 3458
forests 1721, 3034, 3871, 3878
grassland 56, 180, 804, 2776, 2777
lawns and sports turf 509
oilseed crops 1042, 2051, 3090, 3098, 3433
plantation crops 133, 2826, 3865
pulses 24
tree fruits 1697
damage 1574, 3458
economics 380
legislation, Canada 3384
mixtures 7, 8, 10, 24, 48, 175, 346, 411, 414, 422, 428, 429, 430, 480, 486, 509, 765, 1008, 1009, 1017, 1042, 1089, 1255, 1285, 1287, 1288, 1574, 1604, 1605, 1624, 1697, 1972, 2017, 2050, 2256, 2359, 2692, 2693, 2826, 3086, 3095, 3098, 3134, 3351, 3368, 3379, 3384, 3385, 3433, 3458, 3678, 3739, 3741, 3865, 3871, 4097
bifenox 2360
2,4-D 804
glufosinate 1070
persistence 1557
pests 1721
quality 1288, 1604, 1605
rates 3741
selectivity 2693, 3148
sequences 175, 446, 1285, 3678
weeds 1017, 1089, 2132
woody 3878
yield 2359
MCPB
analysis, chromatography 3011
residues
plant 3011
plant products 3011
soil 329
soil relations
degradation 329, 1945, 3315
microbial activities, respiration 3692
moisture 1945
toxicology, soil mesofauna 3347
usage
compatibility, fertilizers 3730
crops
cereals 428, 752
cover crops 517
forage crops 428, 3458
forests 3872
grassland 2776
medicinal herbs 2058
pulses 24, 453, 752
damage 3458
economics 453
mixtures 24, 428, 752, 3458, 3678
pests 3347
Mecoprop
analysis
chromatography 3011, 3306
polarography 2256, 2627
physiological effects, metabolism, minerals 1009
residues
plant 3011
plant products 3011
water 2627
soil relations
degradation 1945
moisture 1945
straw 1562
toxicology, laboratory animals 1932
usage
additives 1255
application, methods 417
climate 1115

Mecoprop *contd.*
usage *contd.*
compatibility
fertilizers 110
growth regulators 2001
herbicides 1601
crops
cereals 7, 411, 417, 429, 430, 1001, 1009, 1115, 1596, 1601, 1604, 1998, 1999, 2000, 2001, 2004, 2381, 2692, 2693, 2694, 2698, 2703, 3105, 3106, 3351, 3375, 3377, 3378, 3379, 3388, 3739
grassland 2405, 3547
lawns and sports turf 110, 112, 509, 3480
economics 380
mixtures 7, 110, 112, 175, 411, 417, 430, 509, 1009, 1115, 1255, 1596, 1604, 1998, 1999, 2000, 2004, 2256, 2692, 2693, 2694, 2698, 2703, 3105, 3106, 3351, 3375, 3377, 3378, 3379, 3388, 3678, 3739
bifenox 1001
isoproturon 1001
pests 3388
quality 1604
selectivity 2693, 2694, 3106
sequences 175
Medinoterb 1966, 2644
soil relations
microbial activities
nitrification 4088
respiration 2644
soil enzymes 1966
microorganisms
algae 1966
bacteria 1966
fungi 950, 1966
straw 4088
temperature 1966, 4088
type 1966, 4088
usage, mixtures, propham 950, 4088
Mefluidide
physiological effects
metabolism
enzymes 3292
fats 1195
fatty acids 1195
proteins 3292
usage
additives 1317
climate 3519
crops
grassland 2068
lawns and sports turf 113, 114, 115
pulses 725, 726, 1317, 1318, 3414
mixtures 115
bentazone 3414, 3519
quality 2068
sequences 1318, 3414, 4010
wetters 3519
Metamitron
analysis, bioassay 3049
residues, soil 2039, 2273
soil relations
adsorption 1555, 3049
degradation 2275
microbial 3050
leaching 1555
microbial activities
nitrification 351
respiration 351
soil enzymes 351
microorganisms, bacteria 3050
moisture 1555
organic matter 3049
type 1555
usage
additives 2041, 3125
application, methods 1036, 3125, 3126, 3128, 3129
compatibility 1234
herbicides 2040
crops
forests 1371
grassland 2405
root crops 460, 731, 732, 1035, 1036, 1038, 1642, 2038, 2040, 2041, 2389, 2760, 3125, 3126, 3128, 3129, 3430, 3795
small fruits 2444, 3856
vegetable crops 757

Metamitron *contd.*
usage *contd.*
damage 3430
mixtures 460, 731, 1038, 1520, 2038, 2040, 2389, 2405, 2760, 3795, 3856
persistence 2273
selectivity 732
sequences 2038, 2040, 3430, 3795
yield 1642
Metazachlor
residues, soils 2049
usage
crops
oilseed crops 2049, 3146, 3811
root crops 1589, 3431
vegetable crops 1061, 1589, 1663, 3431
damage 1589, 3431
rescue crops 3146
Metflurazone
physiological effects
cytology, protoplast 1201
metabolism
chlorophyll 2998
fatty acids 2998
pigments 2998
photosynthesis 2998
ultrastructure 2998
Methabenzthiazuron
analysis
bioassay 2261
chromatography 1525
flame ionization detection 3654
physiological effects
metabolism
amino acids 1507
carbohydrates 1507
proteins 1507
residues
plant 3654
soil 1986, 2261, 2334, 2355, 4043
soil relations
degradation 948
microbial activities, nitrogen fixation 1631
pH 3677
usage
application 2362
methods 1610
compatibility, growth regulators 2001
crops
cereals 11, 413, 423, 427, 1005, 1007, 1605, 1607, 1608, 1610, 1995, 1996, 1997, 1999, 2001, 2005, 2326, 2343, 2345, 2351, 2355, 2356, 2358, 2359, 2362, 2381, 2702, 2704, 2739, 3106, 3378, 3389
forests 147
grassland 484, 743, 2405, 2777, 3151
lawns and sports turf 2103
ornamental crops 2101, 3845, 3848
pulses 23, 1631, 2023, 3115
root crops 1643
tree fruits 1697
vegetable crops 22, 70, 73, 1668, 2421, 2792, 3161, 3162, 3473, 3833
damage 1608, 2358
diseases 1507
economics 2704
fertilizers 2355
mixtures 73, 423, 427, 1605, 1607, 1608, 1668, 1697, 1996, 2359, 2405, 2792, 3106, 3151, 3833, 3848
persistence 2334, 3731
quality 1605
rescue crops 2324, 2334
sequences 413, 1999, 2405, 3161, 3162, 3378
weeds 543
yield 1005, 2005, 2359
Metham 2273, 2466
Methanol, α-isopropyl-α-(4-trifluoromethoxyphenyl)pyrimidin-5-yl- 113, 114, 115, 1685
Methazole
analysis, chromatography 3654
physiological effects
cytology, chloroplast 1203
degradation 1203, 1938, 2228, 2237, 4023
Methazole *contd.*
physiological effects *contd.*
mode of action 4023
penetration 1514, 2228
photosynthesis 4023
translocation 2237
uptake 2237
residues, soil 3654
soil relations
adsorption 1555
leaching 1555
microorganisms, fungi 348
moisture 1555
type 1555
toxicology, laboratory animals 1938
usage
crops
fibre crops 471
forage crops 3454
lawns and sports turf 2104
small fruits 2816
tree fruits 512, 1071
vegetable crops 70, 492, 2420, 2421, 2422, 2424, 2425, 3161
mixtures 492, 512, 2420
selectivity 4023
sequences 3161
Methoprotryne
chemistry and properties, synergism 175
physiological effects, metabolism, fatty acids 1010
soil relations, microbial activities, soil enzymes 346
usage
crops, cereals 1010
mixtures 175, 346, 1010
Metobromuron
analysis, gas-liquid chromatography 1921
residues, plant products 929
soil relations
adsorption 2647
microbial activities
nitrification 345
respiration 345
microorganisms
bacteria 345
fungi 345
usage
crops
medicinal herbs 774
pulses 1034, 2380, 2387
root crops 738, 2037, 3793
vegetable crops 83, 450, 1670, 2424, 2800, 2805, 3474, 3840
mixtures 83, 738, 774, 1670, 2037, 2387, 2800, 2805, 3793
quality 1670
flavour 1670
selectivity 3474
sequences 1034, 3840
Metolachlor
chemistry and properties, synergism 51
formulation
controlled release 1350, 3352
emulsions 2716
granules 3352
tablets 3352
physiological effects 2992, 4015
cytology 3294
degradation 904, 3639
morphology 2605
translocation 904, 905, 3639
uptake 904, 3294, 3639
residues
plant 51, 3099
soil 2278
soil relations
adsorption 335, 3099, 3334
degradation, vaporization 1032, 3099
lateral movement 335
leaching 335, 3352
microorganisms 1954
bacteria 2367
moisture 334
organic matter 335, 3099, 3334
structure 718
type 335, 3334
usage
antidotes 334, 712, 718, 1307, 1621, 1622, 2605, 2730, 3101, 3103, 3294, 3396, 3766, 4015
application, methods 1293
climate 1094, 2714, 3090
Metolachlor *contd.*
usage *contd.*
crops
cereals 14, 17, 334, 431, 712, 718, 828, 1289, 1290, 1293, 1307, 1596, 1615, 1622, 2363, 2364, 2367, 2685, 2686, 2711, 2714, 2716, 2720, 3088, 3090, 3101, 3103, 3394, 3396, 3432, 3639, 3756, 3766
cover crops 517
fibre crops 473, 3134, 3371, 3435, 3437, 3805, 3807
forage crops 3152, 3432, 3822
medicinal herbs 774
oilseed crops 38, 50, 51, 455, 456, 729, 1043, 1954, 2758, 2773, 3124, 3432
ornamental crops 98, 100, 764, 1350, 3352
plantation crops 2402, 3496, 3497, 3498
pulses 31, 36, 722, 758, 1028, 1032, 1034, 1319, 1633, 1635, 2380, 2384, 2387, 2686, 2711, 2746, 2747, 3420, 3432, 3756, 3774, 3780, 3790
root crops 457, 459, 469, 731, 2165, 2364, 3432, 3802
vegetable crops 69, 77, 82, 83, 84, 450, 757, 1662, 1665, 1668, 2424, 2425, 2800, 3160, 3469
damage 334, 1307, 1350
diseases 1325
mixtures 14, 17, 31, 38, 50, 51, 83, 98, 100, 431, 455, 456, 729, 731, 758, 764, 774, 1028, 1043, 1289, 1293, 1596, 1622, 1633, 1635, 1668, 1954, 2165, 2387, 2714, 2720, 2746, 2758, 2773, 2800, 3103, 3124, 3371, 3432, 3435, 3437, 3496, 3497, 3756, 3774, 3780, 3805
atrazine 2337, 2364, 2367
chloramben 84
fluometuron 2364
propazine 3101
persistence 2278, 2337, 2642, 2686, 3885
quality 2367
rates 955
selectivity 1325, 1621, 3522, 3639, 3805
sequences 38, 729, 1034, 2758
weeds 176, 1737
Metoxuron
analysis
bioassay 2648
gas-liquid chromatography 291, 1921
chemistry and properties, synergism 97
formulation 1596
wettable powders 3378
physiological effects, metabolism, minerals 1009
residues, soil 2355
soil relations
leaching 2285, 2648
microbial activities 1246
microorganisms
bacteria 1246
fungi 1246, 1959
pH 3677
soil conditioners 2083
usage
crops
cereals 10, 416, 419, 423, 706, 1009, 1999, 2000, 2326, 2342, 2355, 2356, 2358, 2381, 2700, 2702, 3378
grassland 3151
medicinal herbs 97
oilseed crops 739
plantation crops 1990
vegetable crops 22, 1596, 2083
damage 22, 97
fertilizers 2355
mixtures 97, 419, 423, 527, 706, 739, 1038, 2000
selectivity 2342
weeds 527, 543
yield 2700
Metribuzin
analysis, bioassay 916, 4031

Metribuzin *contd.*
physiological effects
cytology, chloroplast 2236
metabolism
enzymes 893
proteins 1050
mode of action 1249
photosynthesis 2236
uptake 3342
residues
atmosphere 3439
soil 1559, 3087, 3133
water 2267
soil relations
degradation 943
photolytic 3684
vaporization 1032, 3684
leaching 341, 3342, 3684
microbial activities 1246
nitrogen fixation 1631
microorganisms
bacteria 1246
fungi 1246
pH 3677
straw 3684
structure 341
type 341
toxicology
aquatic organisms 2267, 3320
environmental pollution 2267
usage 2031
adsorbents 2801
antidotes 89, 2092
application, methods 1322
climate 1322, 3439, 3684
compatibility
fertilizers 3097
herbicides 3098
insecticides 1302
crops
cereals 6, 1027, 1280, 1291, 1292, 1302, 2359, 2707, 2711, 2715, 3088, 3098, 3390, 3404
forage crops 746, 2383, 2782, 3153
grassland 1336
lawns and sports turf 101, 106, 766, 2104
oilseed crops 2767, 3098, 3441
plantation crops 135, 1367, 1701, 1706, 2116, 2452, 3497, 3498, 3864
pulses 4, 29, 30, 31, 34, 35, 399, 717, 722, 724, 1028, 1032, 1315, 1317, 1322, 1619, 1631, 1632, 1633, 1634, 1636, 2025, 2031, 2384, 2711, 2744, 2751, 2754, 3115, 3121, 3122, 3342, 3412, 3416, 3423, 3753, 3770, 3774, 3777, 3787, 3789
root crops 45, 465, 466, 1331, 1643, 1645, 2037, 2393, 2766, 3088, 3133, 3793, 3801, 3802
small fruits 1347
tree fruits 1071
vegetable crops 70, 88, 89, 754, 760, 2093, 2094, 2095, 2426, 2792, 2800, 2801, 2805, 3467
damage 1032, 1071, 1322, 2031, 3439, 3441
diseases 1270, 1325
mixtures 4, 6, 29, 30, 31, 45, 135, 760, 766, 1027, 1028, 1032, 1038, 1291, 1292, 1302, 1632, 1633, 1701, 2025, 2037, 2094, 2095, 2359, 2452, 2715, 2744, 2751, 2766, 2805, 3093, 3098, 3390, 3497, 3678, 3753, 3774, 3777, 3787, 3789, 3864
2,4-DB 3423
fluchloralin 3416
persistence 3342, 3684
selectivity 89, 1280, 1291, 1302, 1325, 1636, 2707, 3522, 3789
sequences 3412, 3793
weeds 801, 1389, 1741, 1896, 2987
yield 1347, 2093, 2359
Mistletoes 3260
Molinate
analysis
chromatography 921, 3010
thin-layer chromatography 290
physiological effects, metabolism, minerals 1895

Molinate *contd.*
residues
plant 297
plant products 921
soil 290
water 656
soil relations
adsorption 719
degradation, microbial 656, 657, 942, 3332
leaching 655
microorganisms 3332
bacteria 656, 657
toxicology
aquatic organisms 644
fish 644
mammals 942
usage
additives 1311, 1314
antidotes 719, 2011
crops
cereals 297, 1311, 1312, 1625, 1628, 1629, 2011, 3372, 3401, 3766
pulses 1314
damage 3372
irrigation 1628
mixtures 1625, 3372, 3401
persistence 3718
wetters 674
Monalide 3835
usage
crops, vegetable crops 2083
mixtures 2083
Monolinuron
analysis
chromatography 1525
gas-liquid chromatography 1921
review 274
spectrophotometry 289
thin-layer chromatography 289
chemistry and properties
review 274
synergism 438
physiological effects
degradation 928, 2296
review 274
residues
plant 928
plant products 929
review 274
soil 4043, 4068
soil relations
degradation 1950, 2296, 4069
vaporization 928
microbial activities
nitrification 345, 1955
nitrogen fixation 3052
respiration 345
microorganisms
bacteria 345
fungi 345
moisture 2792
toxicology
review 274
soil mesofauna 4068
usage
crops
cereals 438, 1304, 2351, 2699
forage crops 2383
medicinal herbs 774
oilseed crops 2773
pulses 3411
root crops 46, 1596, 1644, 2037, 3793
vegetable crops 80, 81, 754, 2080, 2792, 2796, 3160, 3830, 3833, 3835
mixtures 46, 80, 754, 1596, 2037, 2080, 2773, 2792, 3411, 3793, 3833, 3835
alachlor 1304
atrazine 438
dinoseb 81, 1955
linuron 2351, 3160
selectivity 2699
sequences 2773, 2796, 3793, 3830
yield 1304
Monuron
analysis, gas-liquid chromatography 1921
soil relations
degradation 4066
photolytic 1239, 2292
microbial activities, soil enzymes 3687

Monuron *contd.*
usage
crops, plantation crops 1700
mixtures 1700
Morphactins (*see* fluorene-9-carboxylic acids)
MSMA
physiological effects
metabolism, waxes 911
penetration 911
residues
atmosphere 4042
plant 1926, 2272, 3428, 4042
soil 1926
water 2272
soil relations
degradation, microbial 342
microorganisms 342
toxicology
aquatic organisms 2272
fish 1545
usage
application, methods 3701
crops 997
cereals 2711
fibre crops 4, 396, 471, 3137, 3143, 3701
grassland 1047
lawns and sports turf 105, 107, 507, 766, 1069
oilseed crops 3428
plantation crops 1363, 1364, 1367, 2329, 3504, 3866
pulses 2032, 2711
damage 507, 4042
mixtures 4, 766, 1069, 1363, 2329, 3137, 3525
2,4-D 1926
paraquat 1367
selectivity 856
sequences 471
weeds 1396, 1740, 3525

NAA 1880, 3014
Naphthalene, 1-methyl- 1517
1,8-Naphthalic anhydride 3299, 3447, 3766
Napropamide
chemistry and properties, antagonism 763
physiological effects
metabolism, carbohydrates 52
translocation 2604
uptake 52, 2604
soil relations
adsorption 1241, 2290
degradation 1241, 2290
fertility 52
leaching 1241
microbial activities 1246
microorganisms
bacteria 1246
fungi 1246, 3345
moisture 1093
straw 1942
usage
application, methods 91
compatibility, herbicides 2665
crops
cereals 1942
cover crops 517
fibre crops 4
forests 2829, 2831, 3508
lawns and sports turf 103
oilseed crops 50, 739, 740, 1942, 2054
ornamental crops 98, 100, 504, 763, 1352, 2435, 2440, 3849, 3850
plantation crops 1368, 1704, 2062, 2455, 2775, 2828, 3812, 3843
pulses 3412, 3777
root crops 45, 3801
small fruits 1688, 1696, 2110, 2816, 3852, 3857
tree fruits 512, 770, 2110, 3852
vegetable crops 75, 77, 78, 88, 91, 1662, 1676, 2093, 2427, 2800, 3160, 3843
damage 1352, 3857
irrigation 1241
mixtures 45, 50, 100, 103, 504, 512, 740, 763, 770, 1368, 2054, 2828, 3777, 3850, 3852
glyphosate 3859

Napropamide *contd.*
usage *contd.*
quality 2062
sequences 1688, 3412
weeds 1093
yield 2093
Naptalam
soil relations, microbial activities, nitrogen fixation 3281
usage
crops
cereals 2732
oilseed crops 1326, 2034, 2758
pulses 2026, 2750, 2751, 3424, 3425
vegetable crops 93, 94, 1059, 2085, 2096, 3467
mixtures 93, 1326, 2034, 2096, 2750, 2751, 2758, 3424
sequences 2758
NCI 96 683 3420
NCI 96 721 3420
Neburon
analysis, chromatography 2626
residues
soil 1986, 2293, 2334
water 2626
soil relations
degradation 2649
leaching 2285
microbial activities
nitrification 1567
soil enzymes 346
usage
compatibility, herbicides 3302
crops
cereals 2293, 2693, 2694, 2701, 2739, 3375
cover crops 517
forests 147, 2829, 2831
grassland 3151
pulses 2023, 2740
vegetable crops 80, 3162
mixtures 80, 346, 2693, 2694, 2701, 2739, 2740, 3151, 3375
pendimethalin 2293
persistence 2334
rescue crops 2324, 2334
selectivity 2693, 2694
sequences 2739, 3162
Netherlands
herbicide, review 58
weed control, legislation 1981
New Zealand
herbicide 3507
weed control 3507
statistics 3238
Nitralin
physiological effects, metabolism, enzymes 893
soil relations
adsorption 3008
microbial activities, nitrogen fixation 1247, 1564
microorganisms
bacteria 1247, 1564
fungi 348
usage
crops
forests 1371
oilseed crops 739, 2055
pulses 3115
vegetable crops 85, 2089, 2428
Nitrile, 3-bromo-4-hydroxy-5-nitrobenzo- 255
Nitrile, 2-[(4-chloro-6-ethylamino-1,3,5-triazin-2-yl)amino]-2-methylpropio- (*see* Cyanazine)
Nitrile, 3,5-dibromo-4-hydroxybenzo- (*see* Bromoxynil)
Nitrile, 2,6-dichlorobenzo- (*see* Dichlobenil)
Nitrile, 5-dimethylaminomethylene-2-oxo-4-phenyl-2,5-dihydrofuran-3-carbo- 1192
Nitrile, 4-hydroxy-3,5-diiodobenzo- (*see* Ioxynil)
Nitrile, 4-hydroxy-3,5-dinitrobenzo- 255
Nitriles 3282
Nitriles, hydroxybenzo- 3632
Nitrite, sodium 1099, 1102
Nitrofen
analysis 3654
chromatography 1525, 2254
chemistry and properties
impurities 4047
Nitrofen *contd.*
chemistry and properties *contd.*
structure/activity relationships 2615
formulation 305
granules 2378
physiological effects
degradation 4011
metabolism 4011
carbohydrates 615
chlorophyll 258
minerals 258
proteins 2601
mode of action 1194, 1249, 2991
photosynthesis 1194, 2615
residues
plant 51, 1538, 1931
soil 1538, 3654
soil relations
degradation, microbial 1556
lateral movement 3063
leaching 3063
microbial activities, soil enzymes 346
moisture 3063
pH 1556
straw 3063
type 1556
toxicology
aquatic organisms 305
carcinogens 1222
fish 305, 2254, 4047
laboratory animals 1222, 3666
mammals 3666
usage
application, methods 3063
compatibility 1234
herbicides 3302
insecticides 3061
crops
cereals 11, 416, 1007, 1309, 1605, 2005, 2358, 2378, 2379, 2381, 2735, 2739, 3061, 3108
fibre crops 737, 2741
forests 2833
grassland 3151
medicinal herbs 2058
oilseed crops 51, 454, 737, 739, 1327, 1538, 3426
ornamental crops 1680
plantation crops 742
pulses 23, 1991, 2032, 2741, 3111
root crops 1330, 1645, 2044
vegetable crops 72, 76, 77, 492, 755, 1067, 3111, 3160
damage 2358
legislation 75
mixtures 23, 346, 739, 1605, 2735, 2739
linuron 2351
trifluralin 2351
persistence 3731
quality 737, 1067, 1605
rescue crops 2324
sequences 72, 76, 77, 742, 755, 1309, 2358
weeds 527, 807
aquatic 2616
yield 1067, 2005, 3108, 3111
Nitrofluorfen, physiological effects, mode of action 2991
Nitrosamine, dimethyl- 940
Norflurazon
analysis
chromatography 922
gas-liquid chromatography 1922
physiological effects
anatomy 2234
cytology 1192
chloroplast 2234
germination 1510
metabolism
chlorophyll 2234, 2998
enzymes 893
fats 2234
fatty acids 2234, 2998
pigments 263, 264, 265, 1192, 2998
mode of action 263, 1192
photosynthesis 895, 1192, 2998
ultrastructure 2998
soil relations
adsorption 4073
leaching 4073
microorganisms, fungi 3346
Norflurazon *contd.*
usage
crops
fibre crops 4, 471, 473, 2753, 2768, 3805
pulses 4, 2387
small fruits 2818
mixtures 4, 471, 2387
rescue crops 2753
selectivity 3522, 3805

Oils (herbicidal) 19, 1077, 1083, 1517, 2336, 2411, 3835, 3881
Oryzalin
chemistry and properties, antagonism 763
formulation, controlled release 1350
physiological effects
cytology, binding site 269
metabolism
fats 269, 906
fatty acids 906
proteins 269
translocation 269
uptake 269
residues, soil 3471
soil relations, adsorption 3008
usage
application, methods 4095
compatibility, herbicides 2665
crops
cereals 1027, 2711
fibre crops 3807
forests 143, 144
oilseed crops 50, 1043, 2054
ornamental crops 504, 763, 1350, 1352, 2432, 3850
pulses 31, 1029, 1633, 1635, 2711, 3780, 3787
small fruits 1696, 2816, 3491
tree fruits 127, 130, 772, 2451, 3852
damage 1350, 1352, 2451
mixtures 31, 50, 127, 763, 1029, 1043, 1633, 2054, 3491, 3780, 3787, 3850, 3852, 4095
glyphosate 3859
selectivity 1029
sequences 1635
weeds 176
Oxadiazole-3,5-dione, tetrahydro-2-(3′,4′-dichlorophenyl)-4-methyl-1,2,4- (*see* Methazole)
Oxadiazolidine-3,5-dione, 2-(3′,4′-dichlorophenyl)-4-methyl-1,2,4- (*see* Methazole)
Oxadiazolidin-3-ones, 2-alkyl-4-aryl-1,2,4- 2248
Oxadiazolin-5-one, 4-[2-chloro-4-(3,3-dimethylureido)phenyl]-2-t-butyl-1,3,4- (*see* Dimefuron)
Oxadiazolin-5-one, 4-(2,4-dichloro-5-isopropoxyphenyl)-2-t-butyl-1,3,4- (*see* Oxadiazon)
Oxadiazon
analysis
chromatography 2639
gas-liquid chromatography 2629
mass spectrometry 2639
formulation
controlled release 1350
granules 2431, 2434, 2809
physiological effects, degradation 2629
residues
animal products 2639
atmosphere 3439
plant 2629
water 2639
toxicology
fish 2639
insects 1584
usage
climate 3168, 3439
crops
cereals 20, 449, 1310, 1311, 1611, 2013, 2017, 2379, 3106, 3108, 3401, 3402
forage crops 2784
forests 145
lawns and sports turf 102, 106, 111, 508, 3167, 3168, 3851
oilseed crops 3147

Oxadiazon *contd.*
usage *contd.*
crops *contd.*
ornamental crops 100, 504, 1350, 1352, 2099, 2431, 2432, 2433, 2434, 2437, 2440, 2806, 2809, 3849, 3850
plantation crops 2402, 2826
pulses 2385
small fruits 121, 1589, 1689, 3856
tree fruits 512, 772, 1696
vegetable crops 2089
damage 1350, 1352, 1589, 3168, 3439, 3851
mixtures 20, 100, 504, 1311, 2826, 3147, 3850, 3851
propanil 2013
selectivity 3856
sequences 102, 111, 508, 2784, 2856
weeds 2856, 3191
aquatic 2013
yield 1310, 3108
Oxazolidine), 3-dichloroacetyl-2,2-cyclohexanespiro-(1,3- 2368
Oxazolidine, 3-dichloroacetyl-2,2-dimethyl-1,3- 2368
Oxime, acetone *O*-(D-2-[4-(4-trifluoromethylphenoxy)phenoxy]propionyl)- 4, 50, 84, 457, 465, 746, 1639, 1662, 2028, 2333, 2458, 2766, 3086, 3119, 3418
Oxime, 3,5-dibromo-4-hydroxy-benzaldehyde 2,4-dinitrophenyl- (*see* Bromofenoxim)
Oxime, *O*-(*N*-phenylcarbamoyl)acet- 479
Oxyfluorfen
analysis 280
formulation 2807
emulsions 2090
granules 2434
wettable powders 2090
physiological effects
cytology 1192
binding site 4008
metabolism
chlorophyll 260
pigments 260, 1192, 4009
mode of action 260, 1192, 2991
photosynthesis 260, 1192, 4008
translocation 1032, 2823
uptake 2823
soil relations
adsorption 1555
degradation, vaporization 1032
leaching 1555, 2823
moisture 1555
type 1555
usage
application 1575
methods 723, 1033, 1323
compatibility, herbicides 260, 2665
crops
cereals 1281, 2392
cover crops 517
fibre crops 4
forage crops 746, 2383
forests 2829, 2831, 2842
oilseed crops 2054
ornamental crops 98, 100, 764, 1352, 2432, 2433, 2434, 2435, 2437, 2440, 2806, 2807
plantation crops 135, 2454
pulses 723, 1032, 1033, 1323, 1575, 2746, 2756
root crops 2392
small fruits 2110, 2823
tree fruits 1071, 1696, 2110, 2822, 2823
vegetable crops 494, 2090, 3163, 3466
damage 1032, 1352, 2822
mixtures 4, 100, 746, 1032, 2054, 2454, 2746, 2807, 2842
glyphosate 3859
selectivity 4008
weeds 3191

Pakistan
flora 3601
herbicide, economics 3076
weed control, economics 3076
Papua New Guinea, weed control, review 1492, 3960
Paraquat 2325

Paraquat *contd.*
analysis
bioassay 4033
gas-liquid chromatography 354
spectrophotometry 2251
chemistry and properties, structure/activity relationships 1916
formulation 305, 2811
physiological effects
adsorption 1074
cytology 2230, 2613, 3284
degradation 3649
genetics 4002
germination 271, 3450
metabolism
amino acids 2242
carbohydrates 614
enzymes 893, 2242, 3634
fats 270
pigments 3494
mode of action 260, 1249, 1916
photosynthesis 1193, 3649
uptake 271
residues
atmosphere 637
plant 1540
soil 343, 354, 1540
water 343, 1220
soil relations 1569
adsorption 343
degradation 2274
microbial 344
leaching 343
microbial activities 1967
soil enzymes 346, 1563
microorganisms
bacteria 2242, 2656
fungi 344, 349, 354, 2613, 2658, 3690
phytopathogens 3725
organic matter 1967
runoff 1220
straw 1967
toxicology 1228
aquatic organisms 305
birds 2640, 3323
environmental pollution 637
fish 305, 1545, 2636
insects 1569, 2659
laboratory animals 648, 1552, 3039, 3675
man 1229
mutagens 2242
soil mesofauna 1569, 4086
teratogens 3323
usage
additives 3704
application
equipment 4099
methods 1278, 1296, 3761
crops
cereals 3, 21, 410, 1027, 1278, 1296, 1967, 2353, 2354, 2370, 2711, 2732, 3395, 3755, 3756, 3760, 3761, 4099
cover crops 139
forage crops 1655, 2072, 2073, 2382, 3450, 3820, 3822, 3838
forests 145, 349, 1374, 2834, 3877
grassland 53, 54, 1336, 2412, 2786, 3157, 3448, 3457
lawns and sports turf 2811, 3480
medicinal herbs 479
oilseed crops 1043, 2054
ornamental crops 99, 1682
plantation crops 135, 140, 1213, 1363, 1364, 1366, 1367, 1368, 1370, 1582, 1703, 2114, 2115, 2116, 2329, 2453, 2454, 2455, 3504, 3866, 3868
pulses 30, 31, 1632, 1633, 2032, 2091, 2711, 3113, 3756, 3775
rangeland 64
root crops 46, 47, 730, 1330, 1331, 1596, 1641, 1643
small fruits 513, 1693, 2105, 3488, 3490, 3716
tree fruits 512, 513, 516, 770, 771, 1359, 1697, 2111, 2113, 2448, 2450, 3852
vegetable crops 3, 1540, 1664, 1675, 2802, 3165, 3838
damage 140, 2091, 2802, 3704

Paraquat *contd.*
usage *contd.*
diseases 3344, 3725
economics 380, 2354
fertilizers 1074
mixtures 30, 31, 46, 47, 135, 139, 145, 479, 512, 730, 770, 801, 1027, 1043, 1363, 1368, 1596, 1632, 1633, 1664, 1675, 1697, 1703, 2054, 2105, 2114, 2329, 2370, 2454, 2455, 2656, 3488, 3490, 3494, 3755, 3756, 3775, 3852, 4099
diquat 2382, 3448
MSMA 1367
simazine 2382
non-crop situations 2849, 2853
pests 1359
quality 2450
selectivity 3450
sequences 1703, 2850, 3820
stubble 410, 3344, 3754
sward destruction 3446
weeds 801, 1017, 3189, 3391
aquatic 2127
woody 2123
yield 2450, 3165
Parthenin 1501, 1891
PCP
analysis
bioassay 933, 4032
chromatography 3304
formulation 305
physiological effects
cytology 1197
mode of action 1249
soil relations
micoorganisms, bacteria 352
microbial activities 1956
nitrification 4082
respiration 4082
soil enzymes 947, 4082
microorganisms 947, 4082
bacteria 1956, 1965
toxicology
aquatic organisms 305, 312, 3320
fish 305, 313
man 3304
usage
mixtures, dinoseb 947
weeds, woody 2846
Pebulate
physiological effects
metabolism 3445
carbohydrates 52
uptake 52
soil relations, fertility 52
usage
antidotes 2011
compatibility
fertilizers 1647
fungicides 1647
nematicides 1647
crops
cereals 2011
plantation crops 2062, 2775, 3445
root crops 1640
vegetable crops 70, 90
mixtures 1640
quality 2062
sequences 1640
Pendimethalin
physiological effects
anatomy 4019
germination 597
penetration 254
translocation 4019
uptake 254
residues, soil 1986, 2293, 2355, 3471
soil relations
adsorption 1555
leaching 1555
microbial activities 1246
microorganisms
bacteria 1246
fungi 1246
moisture 1555, 2792
straw 1942
type 1555
usage
antidotes 1018
application, methods 3761

Pendimethalin *contd.*
usage *contd.*
crops
cereals 14, 397, 423, 710, 714, 716, 1004, 1295, 1311, 1627, 1942, 1996, 2008, 2293, 2351, 2355, 2363, 2683, 2693, 2694, 2702, 2718, 2720, 2724, 2739, 3374, 3375, 3404, 3729, 3758, 3761, 3762, 3765, 3768
cover crops 517
fibre crops 4, 2398, 3137, 3145, 3807
forage crops 746, 2781
lawns and sports turf 103, 2102
oilseed crops 38, 50, 1043, 2055, 3124, 3440
plantation crops 2826, 3498
pulses 4, 23, 36, 1028, 2024, 2385, 2387, 2740, 3121, 3410, 3780, 3790
root crops 465, 1589, 3431
small fruits 1589, 3856
tree fruits 130, 2451
vegetable crops 68, 77, 80, 84, 85, 86, 470, 492, 497, 498, 755, 1346, 1589, 1665, 1674, 2008, 2426, 2792, 3431, 3466, 3467
damage 38, 1589, 1674, 2363, 2451, 3431
economics 3758, 3768
fertilizers 2355
mixtures 4, 50, 423, 746, 1028, 1043, 1311, 1674, 1996, 2008, 2385, 2387, 2398, 2683, 2693, 2694, 2718, 2720, 2724, 2740, 2781, 2826, 3375, 3729, 3762, 3765, 3780
EPTC 465
neburon 2293
persistence 2642, 3731
rescue crops 2324, 2683
selectivity 2693, 2694
sequences 38, 716, 755, 2739, 3137
weeds, parasitic 2781
yield 1004
Pentanamide, *N*-(3-chloro-4-methylphenyl)-2-methyl- (*see* Pentanochlor)
Pentanochlor, usage, crops, small fruits 1689
Perfluidone
analysis, gas-liquid chromatography 4064
physiological effects
metabolism
enzymes 893
fats 1195
fatty acids 1195
soil relations, leaching 4064
usage
antidotes 1018, 3447
crops
cereals 416
fibre crops 2753, 2768
lawns and sports turf 3481
ornamental crops 2437, 2439
plantation crops 3498
tree fruits 772
rescue crops 2753
selectivity 2439
weeds 527
Phenmedipham
analysis, chromatography 2250
physiological effects
metabolism
carbohydrates 462
chlorophyll 462
photosynthesis 462, 3288
respiration 462
residues, soil 2273
soil relations
degradation, microbial 1947
microbial activities
nitrification 351
respiration 351
soil enzymes 351
toxicology
mammals 4045
man 4045
mutagens 1935
usage
additives 1255, 3125
application
equipment 4105
Phenmedipham *contd.*
usage *contd.*
application *contd.*
methods 1036, 3125, 3126, 3128, 3129
compatibility, herbicides 2040
crops
cereals 3
forage crops 733
root crops 39, 40, 44, 457, 458, 460, 461, 731, 1035, 1036, 1038, 1328, 1329, 1639, 1640, 1641, 1642, 2038, 2040, 2041, 2390, 2760, 3125, 3126, 3127, 3128, 3129, 3429, 3430, 3795, 3799
small fruits 767, 1689, 2444, 3856
vegetable crops 3, 495, 1662, 1666, 1677, 2796
damage 1329, 3430
economics 2390
mixtures 44, 457, 460, 495, 731, 767, 1035, 1038, 1255, 1328, 1520, 1639, 1677, 1689, 2038, 2040, 2444, 3127, 3795, 3799, 3856
ethofumesate 2390
persistence 2273
sequences 39, 40, 458, 461, 495, 733, 1329, 1640, 2040, 2760, 2796, 3430, 3795
yield 1642
Phenobenzuron
usage
crops, culinary herbs 96
mixtures 96
Phenol, 2-azido-6-isobutyl-4-nitro- 259
Phenol, 2,4-dinitro- 2602, 3345
Phenol, 4,6-dinitro-5-methyl-2-t-butyl- (*see* Medinoterb)
Phenol, 4,6-dinitro-2-t-butyl- (*see* Dinoterb)
Phenol, 2-methyl-4,6-dinitro- (*see* DNOC)
Phenol, 2-(1-methylpropyl)-4,6-dinitro- (*see* Dinoseb)
Phenol, nonyl 788
Phenol, pentachloro- (*see* PCP)
Phenolics 3631, 3633
Phenols 2875, 3281, 3282, 3626, 4026
Phenols, dinitro- 3632
Phenoxy herbicides (*see* Carboxylic acids, phenoxyalkane)
Phenoxyacetic acids (*see* acetic acids, phenoxy-)
Phenoxybutyric acids (*see* butyric acids, phenoxy-)
Phenoxypropionic acids (*see* propionic acids, phenoxy-)
Phenylenediamine, 2,6-dinitro-N^1,N^1-dipropyl-4-trifluoromethyl-*m*- (*see* Prodiamine)
Phenylenediamine, N^1,N^1-diethyl-2,6-dinitro-4-trifluromethyl-*m*- (*see* Dinitramine)
Philippines, herbicide, legislation 1230
Phosphonate, ethyl hydrogen carbamoyl- (*see* Fosamine)
Phosphonic acid, 2-chloroethyl- (*see* Ethephon)
Phosphonic acids, aminomethyl- 278
Phosphoramidothionate, *O*-ethyl *O*-(5-methyl-2-nitrophenyl) *N-s-butyl-* (*see* Butamifos)
Phthalamic acid, *N*-1-naphthyl- (*see* Naptalam)
Phthalic acid, 2,3,5,6-tetrachlorotere- (*see* Chlorthal)
Phthalimide, *N*-(trichloromethylthio)-3a,4,7,7a-tetrahydro- (*see* captan)
Phthalimides, *N*-aryl-3,4,5,6-tetrahydro- 1198
Picloram
analysis 3303
chromatography 3304
gas-liquid chromatography 1524
formulation 1390
aqueous concentrates 3880
controlled release 1572
pellets 153
physiological effects
adsorption 253, 606
climate 1969
cytology, binding site 253, 606
degradation 253, 606
genetics 1187
metabolism 253, 606
carbohydrates 257
Picloram *contd.*
physiological effects *contd.*
metabolism *contd.*
non-protein nitrogen 616
proteins 616
translocation 253, 606, 1969, 2610
uptake 1969, 2610
residues
plant 2043
soil 407, 658, 1338, 1388, 1524
water 3463
soil relations
adsorption 659
degradation, photolytic 3303
lateral movement 3823
leaching 658, 3463
organic matter 659
pH 659
toxicology, man 3304
usage
additives 1083, 2123
application, methods 153, 371, 1973, 2069, 2123, 2125, 3818
climate 1969, 2126, 3462
compatibility, growth regulators 4001
crops
cereals 407, 427, 616, 1306, 1607, 1608, 3384
forage crops 1595, 2781
forests 775, 1082, 1721, 2120, 3523, 3876
grassland 482, 529, 1046, 1337, 2043, 2069, 2776, 2779, 3817, 3818, 3823
oilseed crops 1042
plantation crops 140, 3503, 3506, 3867
rangeland 62, 63, 64, 67, 153, 1056, 1058, 1342, 1343, 2413, 3158, 3462, 3463, 3828, 3941, 4001
tree fruits 2449
damage 2120, 3876
legislation, Canada 3384
mixtures 63, 407, 427, 529, 778, 779, 1042, 1046, 1056, 1058, 1082, 1083, 1337, 1342, 1343, 1607, 1608, 1723, 1724, 1745, 2123, 2124, 2125, 2126, 2449, 2471, 2776, 2779, 3178, 3384, 3506
2,4-D 179, 1306, 1721, 1726
2,4,5-T 1725
non-crop situations 179, 1745
persistence 658, 1388, 3506, 3823
pests 1721
quality 3800
weeds 1388, 1390, 2471, 3817, 3888, 3889
parasitic 2781
woody 62, 779, 1082, 1083, 1723, 1724, 1725, 1726, 2123, 2124, 2125, 2126, 3178, 3462, 3823, 3880
wetters 371, 3158
yield 616, 3800
Picolinic acid, 4-amino-3,5,6-trichloro- (*see* Picloram)
Picolinic acid, 3,6-dichloro- 6, 7, 63, 402, 433, 474, 488, 529, 739, 761, 765, 778, 1058, 1524, 1689, 2038, 2039, 2040, 2132, 2444, 2692, 2703, 2721, 2723, 2724, 2776, 2838, 3090, 3126, 3127, 3135, 3379, 3381, 3462, 3484, 3503, 3547, 3739, 3795, 3799, 3810, 3811, 3839, 3868
Picolinic acids, allylthiosemicarbazides of 1212
Piperophos
usage
crops, cereals 1611, 2017, 2733, 3767
mixtures 2017, 2733, 3767
bentazone 2500
dimethametryn 1611, 2500
weeds 2500
Poland 1797
flora 188
herbicide
economics 696
statistics 696
Portugal
herbicide, statistics 3073
weed control, review 2518, 2674
PP-333 114

Procyazine
soil relations, leaching 661
usage, persistence 661
Prodiamine
usage
crops
cereals 2733
ornamental crops 764, 1352, 2440
plantation crops 3498
pulses 3121
damage 1352
Profluralin
analysis, chromatography 3024
residues, soil 1931, 2297, 3109, 3337
soil relations
adsorption 1931
degradation 3337
photolytic 3109
vaporization 2297
moisture 3337
pH 3337
temperature 3337
type 3109
usage
crops
cereals 2297
forage crops 2904
oilseed crops 50
pulses 758, 1028, 2297, 2744, 3164, 3780
vegetable crops 82, 1670
damage 2297, 3109
mixtures 50, 746, 1028, 2744, 3780
quality 1670
flavour 1670
yield 2297
Prometon 3026
Prometryne
analysis, chromatography 298, 1923, 3026
physiological effects
germination 728
metabolism
carbohydrates 615
chlorophyll 258, 728
enzymes 623, 3630
minerals 258
nucleic acids 268
proteins 268, 2601
morphology 4085
photosynthesis 268
residues
plant 298, 639, 3662, 4091
plant products 3662
soil 339, 639, 2304, 3340, 4044, 4076
soil relations
adsorption 3334
degradation, microbial 1560, 2304
lateral movement 340
leaching 340, 4061, 4075
microbial activities
ammonification 347
nitrification 347, 3694
nitrogen fixation 728, 1631, 1671, 2308, 2309, 2310, 2388, 4085
microorganisms 4091
fungi 3346
organic matter 3334, 3340
type 941, 3334, 4091
toxicology, mutagens 4004
usage
application, methods 736
crops
cereals 340, 392, 436, 475, 713, 1608, 1992, 3351, 4076
culinary herbs 96
fibre crops 472, 736, 2053, 2395, 2770, 3136, 3435, 3437, 3807
forage crops 1658, 3458, 3771
forests 150, 347
medicinal herbs 2058, 2401
oilseed crops 455, 456, 475, 3124
plantation crops 742, 1700
pulses 23, 26, 36, 90, 453, 728, 1026, 1631, 1992, 2032, 2387, 2388
root crops 466, 1331, 1644, 2393, 3804
vegetable crops 70, 639, 754, 1067, 1668, 1669, 2792, 2794, 3474, 3475, 3476, 3833
damage 36, 941, 2388, 3458
economics 453
Prometryne *contd.*
usage *contd.*
mixtures 70, 436, 455, 456, 475, 713, 1668, 1669, 1700, 2387, 2794, 3124, 3351, 3435, 3437, 3475, 3476, 3771, 3804, 3833
persistence 26
quality 1067
selectivity 2387, 3474, 3475
sequences 713, 742
weeds 2987
wetters 674
yield 1067, 2770
Propachlor
analysis, chromatography 2625
physiological effects
genetics 4002
germination 2772
photosynthesis 1300
residues
plant 641, 2625
soil 641, 4043
water 2266
soil relations
degradation, photolytic 4059
fertility 496
runoff 2266
toxicology
carcinogens 3672
laboratory animals 317
mammals 317
mutagens 1935
usage
compatibility 1234
crops
cereals 9, 18, 439, 440, 1027, 1300, 1308, 2370, 2727, 2732
forests 1371
oilseed crops 2049, 2056, 2772
ornamental crops 2101, 3845
pulses 32, 2056
root crops 1589, 3431
small fruits 1589, 1689, 2444, 3482, 3854, 3856
vegetable crops 72, 73, 78, 90, 492, 496, 497, 641, 752, 755, 1061, 1346, 1589, 1596, 2088, 2420, 2422, 2423, 2424, 2425, 3161, 3162, 3431
damage 1308, 3431
mixtures 18, 73, 176, 439, 1027, 1589, 1596, 1689, 2049, 2370, 2420, 2727, 3431, 3845, 3854, 3856
sequences 72, 497, 755, 2420, 3161, 3162
weeds 176
yield 1300
Propane, 1,2-dibromo-3-chloro- 1226, 1240
Propanil
analysis
chromatography 3010, 3318
spectrophotometry 289
thin-layer chromatography 289
formulation 305
emulsions 962
physiological effects
degradation 2993, 4013
germination 522
metabolism
amino acids 3392
carbohydrates 3392
chlorophyll 897, 3392
enzymes 893
minerals 1895
residues
atmosphere 3439
plant 297, 3318
plant products 3318
soil 3315, 3318
water 3318
toxicology
aquatic organisms 305
fish 305
insects 1584
mutagens 1935
usage
application, equipment 1576
climate 3439
compatibility
herbicides 1022, 1574, 3098
insecticides 3061, 3107
Propanil *contd.*
usage *contd.*
crops
cereals 20, 297, 398, 446, 720, 962, 1020, 1022, 1027, 1287, 1309, 1311, 1611, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 2013, 2014, 2015, 2017, 2373, 2376, 2733, 2735, 3061, 3098, 3106, 3107, 3371, 3392, 3401, 3403, 3406, 3585, 3765, 3767
oilseed crops 3098, 3433
plantation crops 141
root crops 1330
small fruits 1694
damage 1574, 3439
economics 398, 3585
irrigation 1628
mixtures 20, 522, 1287, 1311, 1574, 1624, 1625, 1626, 1627, 1628, 1629, 1694, 2017, 2735, 3098, 3106, 3107, 3371, 3401, 3402, 3433, 3585, 3678, 3765
butachlor 2015
oxadiazon 2013
thiobencarb 2014
quality 3392
selectivity 897, 3106
sequences 446, 1020, 1309
weeds 522, 807
wetters 674
Propanone oximes (*see* oximes, acet-)
Propazine
analysis, chromatography 321, 3314
residues, soil 339
soil relations, microbial activities, nitrification 3694
toxicology
laboratory animals 3314
man 321, 3314
usage
additives 19
antidotes 1622, 3101, 3103
crops
cereals 4, 18, 19, 392, 440, 443, 444, 445, 1622, 2732, 3101, 3102, 3103, 3399
forage crops 2383
medicinal herbs 2058
root crops 467
tree fruits 1071
vegetable crops 1677, 3835
damage 445, 1071
mixtures 18, 19, 440, 443, 444, 445, 467, 1622, 1677, 3102, 3103
chlorpropham 2058
linuron 3399
metolachlor 3101
Propham
analysis 280
physiological effects
cytology 612
degradation 4013
genetics 612, 1190
metabolism, enzymes 893
soil relations
microbial activities
nitrification 4088
respiration 2644
soil enzymes 1966
microorganisms
algae 1966
bacteria 1966
fungi 950, 1966
straw 4088
temperature 1966, 4088
type 1966, 4088
toxicology, man 1936
usage
compatibility 1234
crops
forage crops 2782
medicinal herbs 479
root crops 3430
vegetable crops 80
damage 3430
mixtures 80, 479, 612, 3430
medinoterb 950, 1966, 2644, 4088
sequences 3430
Propionamide, D-*N*-ethyl-2-(phenylcarbamoyloxy)- (*see* Carbetamide)

Propionamide, *N*-(3,4-dichlorophenyl)- (*see* Propanil)
Propionamide, *N,N*-diethyl-2-(α-naphthoxy)- (*see* Napropamide)
Propionate, butyl 2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]- 272, 470, 526, 700
Propionate, isopropyl *N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-2-amino- (*see* Flamprop-isopropyl)
Propionate, methyl *N*-benzoyl-*N*-(3-chloro-4-fluorophenyl)-2-amino- (*see* Flamprop-methyl)
Propionate, methyl 2-chloro-3-(4-chlorophenyl)- (*see* Chlorfenprop)
Propionate, prop-2-ynyl 2-[4-(3,5-dichloro-2-pyridyloxy)phenoxy]- 1520, 2386, 3086, 3119, 3300, 3419, 3776, 3785, 3786, 3802, 3814, 3822

Propionic acid, [2-(*N*-benzoyl-*N*-(3,4-dichlorphenyl)amino]- (*see* Benzoylprop)
Propionic acid, (±)-2-(4-chloro-2-methylphenoxy)- (*see* Mecoprop)
Propionic acid, 2-[4-(4-chlorophenoxy)phenoxy]- (*see* Clofop)
Propionic acid, 2,2-dichloro- (*see* Dalapon)
Propionic acid, (±)-2-(2,4-dichlorophenoxy)- (*see* Dichlorprop)
Propionic acid, 2-[4-(2,4-dichlorophenoxy)phenoxy]- (*see* Diclofop)
Propionic acid, 2,2,3,3-tetrafluoro- 739, 1960, 2416
Propionic acid, (±)-2-(2,4,5-trichlorophenoxy)- (*see* Fenoprop)
Propionic acid, 2-[4-(4-trifluoromethylphenoxy)phenoxy]- (*see* Trifop)
Propionitriles (*see* nitriles, propio-)
Propyzamide
analysis
chromatography 3304
gas-liquid chromatography 1216
chemistry and properties, structure/activity relationships 1522
formulation 2807
physiological effects
cytology 618
genetics 618
germination 597
metabolism 4016
nitrate nitrogen 1066
vitamins 1066
uptake 4016
residues
plant 1216
soil 4043
soil relations
adsorption 1235
degradation 1235, 2275
lateral movement 3063
leaching 3063
microbial activities, nitrogen fixation 1049
moisture 3063
straw 3063
type 1235
toxicology
carcinogens 1550
laboratory animals 314, 1550
man 314, 3304
usage
application, methods 3063
climate 703
compatibility 1234
crops
fibre crops 2741
forage crops 61, 746, 1657, 2073, 2782
forests 1378, 1716
grassland 53, 482, 3457, 3816
lawns and sports turf 510
medicinal herbs 1216
oilseed crops 740, 1646, 2774
ornamental crops 1681, 2098, 2807, 3848
pulses 2741
root crops 3131
small fruits 1691, 2105, 2812, 3854

Propyzamide *contd.*
usage *contd.*
crops *contd.*
tree fruits 512, 772, 1071
vegetable crops 500, 756, 1348, 1672, 1677, 2081, 2097, 2804, 2805, 3162, 3831, 3836
damage 1681, 2098, 3816
mixtures 61, 500, 512, 740, 746, 756, 772, 1049, 1348, 1677, 2081, 2097, 2105, 2805, 2807, 3831, 3836, 3848, 3854
diuron 1657
quality 2804
sequences 3162
stubble 703
yield 1646, 1657, 2812
Prosulfalin
usage
antidotes 3447
crops, lawns and sports turf 103, 106, 1069, 3480
mixtures 1069
Proximpham (*see* oxime, *O*-(*N*-phenylcarbamoyl)-acet-)
Purine, 6-benzylamino- 1892
Pyrazinediium, 6,7-dihydrodipyrido[1,2-a:2′,1′-*c*]- (*see* Diquat)
Pyrazolium ion, 1,2-dimethyl-3,5-diphenyl- (*see* Difenzoquat)
Pyrazone (*see* Chloridazon)
Pyridate
usage
crops, cereals 1597, 2366, 2693, 2694, 2698, 2701, 2723, 2724, 2725, 3382
mixtures 1597, 2693, 2694, 2698, 2701, 2723, 2724
selectivity 2693, 2694
Pyridazin-3-one, 5-amino-4-chloro-2-phenyl- (*see* Chloridazon)
Pyridazin-3-one, 4-chloro-5-methylamino-2-(3-trifluoromethylphenyl)- (*see* Norflurazon)
Pyridazine, 1,2,3,6-tetrahydro-3,6-dioxo- (*see* Maleic hydrazide)
Pyridazin-3-one, 4-chloro-5-dimethylamino-2-phenyl- 1903, 2998
Pyridazin-3-one, 4-chloro-5-(dimethylamino)-2-(3-trifluoromethylphenyl)- (*see* Metflurazone)
Pyridazinones 1194, 1534, 3632
Pyridazinones, 2-phenyl- 2622
Pyridazone, 4,5-dimethoxy-2-phenyl-3- (*see* Dimidazon)
Pyridazones (*see* pyridazinones)

Pyridine-2-aldoxime 2730
Pyridine-*N*-oxide, 2-[1-(2,5-dimethylphenyl)ethylsulphonyl]- 4, 45, 81, 1094, 2048, 2398, 2730, 2768, 3138, 3139, 3801, 3885
Pyridine-*N*-oxide, 2-(phenylmethylsulphonyl)- 3653
Pyridine-*N*-oxides, 2-benzylsulphonyl- 1914

Pyridinium)diiodide, 4,4′-(1,3,4-thiadiazole-2,5-diyl)bis(1-methyl- 2249
Pyridin-4-one, 1-methyl-3-phenyl-5-(3-trifluoromethylphenyl)- (*see* Fluridone)
Pyrimidine, 2,4-diamino-6-chloro-5-methylthio- 2298, 2701, 3302
Pyrimidine, 4,6-diamino-2-chloro-5-methylthio- 2298, 2701

Pyrimidine-2,4-(3*H*,5*H*)dione, 3-cyclohexyl-6,7-dihydro-1*H*-cyclopenta- (*see* Lenacil)
Pyrimidine 1-methyl-4-phenyl- (*see* Cyperquat)
Pyrimidinediones (*see also* uracils)
Pyrrolidin-2-one, 3-chloro-4-chloromethyl-1-(3-trifluoromethylphenyl)- 272, 1027, 2062
Pyrrolidinone, *N*-methyl- 2986

Quinolines, hydroxy- 3632
Quinonamid
toxicology, fish 2636
usage, weeds 1088

R-33 865 2719, 3041, 4096
Recommendations
crops
cereals 393
forage crops 393
ornamental crops 762
plantation crops 3867
pulses 27, 393
root crops 393
vegetable crops 2078
Review
Alopecurus myosuroides, control 421
application, spraying 3054
Avena, ecology 1135
A. fatua 223
Bangladesh, weed control 2331
chlortoluron, usage 525
crops
plantation crops 3174
small fruits 2443
tree fruits 2443
Cyperus rotundus 3190
2,4-D
toxicology 4051
usage 4051
diclofop 2617
herbicides 1564
analysis 287, 3009
application 1254
development 2244
physiological effects 3619
residues 3034
soil relations 938
usage 969, 992, 994, 2679
linuron
analysis 274
chemistry and properties 274
physiological effects 274
residues 274
toxicology 274
monolinuron
analysis 274
chemistry and properties 274
physiological effects 274
residues 274
phenoxyalkanoic herbicides 2243
USA, weed control 4115
weed biology 542
vegetative reproduction 2148
weed control 3870
aquatic 167
biological 1482, 1483, 1484, 1485, 1486, 2944, 2948, 3976, 3977, 3978, 3980
fungus 3975
chemical 1741
management 3246
organization 2032
weed ecology 542, 1127, 3215, 3246
allelopathy 565
distribution 1741
spread 2148
weed seeds, soil 1754
weeds
aquatic 787, 3274
parasitic 1810, 1811, 2935, 3601, 3602

Salicylhydroxamic acid 3627
Salicylic acid 2597, 3620
Saudi Arabia, flora 1784
Scotland, herbicide, statistics 3072
Secbumeton
analysis, chromatography 3026
chemistry and properties, solubility 2247
soil relations, microbial activities, nitrogen fixation 1049
usage
crops
forage crops 60, 61, 1657
plantation crops 2826
tree fruits 772
mixtures 60, 61, 772, 1049, 2826
yield 1657
Siduron
soil relations, microorganisms, fungi 1248

Siduron *contd.*
usage
crops
grassland 481, 1651
lawns and sports turf 102, 111, 507, 1684, 3169
damage 507
diseases 481, 1248, 3169
non-crop situations 178
sequences 102, 111
Simazine
analysis
chromatography 298, 321, 1923, 3026, 3314
gas-liquid chromatography 3048
chemistry and properties
antagonism 513, 763
solubility 3683
synergism 175
formulation 305
granules 3869
wettable powders 3869
physiological effects 741, 1904
cytology 612
genetics 612, 892
germination 728, 1989
metabolism
chlorophyll 624, 728, 907
enzymes 623, 3630
fatty acids 1010
pigments 907, 3494
proteins 1050, 2152
photosynthesis 907
residues
atmosphere 3339
plant 298
plant products 1225
soil 310, 946, 1357, 1358, 1559, 2295, 2349, 2653, 3048, 3486, 3683, 4040, 4043
water 946, 3683, 4040
soil relations 2313
adsorption 1243, 1555, 2295, 2653, 3329
degradation 310, 946, 3048
microbial 2295
lateral movement 3339
leaching 652, 1555, 2284, 3329, 3683, 4061
microbial activities
ammonification 347
nitrification 347
nitrogen fixation 728, 1049, 2388, 3281
soil enzymes 346
microorganisms 3686
bacteria 2656
moisture 1555, 3683
organic matter 946
pH 946
runoff 4040
structure 1243
type 1555, 3869
toxicology
aquatic organisms 305, 4056
birds 1225
environmental pollution 310, 3339
fish 305, 1545
laboratory animals 3314
man 321, 3314
mutagens 4004
usage
application, equipment 4099
compatibility
fertilizers 3097
herbicides 2665
crops
cereals 10, 392, 416, 423, 437, 480, 706, 1010, 1132, 1225, 1605, 1989, 2009, 2326, 2328, 2349, 2381, 2714, 2735, 3351, 3383, 3753, 3755, 3756, 4099
forage crops 60, 61, 487, 2382, 2778, 2782, 2784, 3153, 3771, 3838
forests 147, 347, 1377, 1714, 1720, 2120, 2834, 2842
grassland 1048, 1336, 1648, 2778, 3151
lawns and sports turf 3480
medicinal herbs 2456, 2457
oilseed crops 739, 741
Simazine *contd.*
usage *contd.*
crops *contd.*
ornamental crops 98, 99, 100, 763, 764, 2101, 2431, 2438, 3845, 3848, 3849
plantation crops 133, 1582, 1703, 1705, 2114, 2453, 2455, 2826, 2828, 3483, 3869
pulses 24, 728, 1313, 2009, 2023, 2381, 2388, 2740, 3383, 3410, 3411
small fruits 117, 121, 122, 513, 1589, 1690, 1693, 1904, 2105, 2109, 2446, 2813, 2816, 2821, 3488, 3489, 3490, 3491, 3492, 3716, 3855
tree fruits 125, 127, 512, 513, 770, 771, 772, 1071, 1355, 1356, 1357, 1358, 1359, 1360, 1697, 2111, 2113, 2450, 2821
vegetable crops 497, 1348, 1904, 2082, 2792, 2797, 3833, 3838
cumulative effects 843, 1357
damage 763, 1071, 1355, 1648, 2388
irrigation 1989
mixtures 60, 61, 98, 99, 100, 127, 147, 175, 346, 423, 512, 527, 673, 706, 739, 763, 764, 770, 1010, 1049, 1313, 1348, 1589, 1605, 1697, 1720, 2009, 2082, 2105, 2111, 2114, 2127, 2381, 2438, 2656, 2714, 2735, 2826, 2828, 2842, 3151, 3351, 3488, 3489, 3490, 3491, 3492, 3494, 3753, 3771, 3833, 3845, 3848, 4099
glyphosate 513, 3859
paraquat 2382
persistence 3299
pests 951, 1359
quality 1605, 2450
selectivity 741, 1904
sequences 10, 437, 1048, 1358, 1703, 2009, 2784, 3383, 3411
weeds 527, 1386
aquatic 2127
yield 2450
Simeton 256
Simetryne
physiological effects
adsorption 2612
degradation 2612
translocation 2612, 3000
residues, soil 329
soil relations
degradation 329
microbial activities 3110
type 3110
usage
climate 3000
crops, cereals 3110
damage 3000
Solomon Islands
flora 2
weed control, recommendations 2
South Africa, flora 588, 3257, 3554
South America
herbicide
economics 384
statistics 384
weed control, organization 3713
Spain, flora 1793
Standard, legislation, herbicide 3070
Statistics
herbicide 384, 386, 969, 1941, 3072, 3073, 3716
Japan 1580
UK 379, 380, 973, 1262, 1263, 3356
USA 381, 382, 383, 627
USSR 627, 690
weed control 386, 3365
Strigol 1753, 1879, 2323
Succinic acid 2330, 3059, 3060
Sulfallate
analysis 3654
chromatography 2624
chemistry and properties, stability 2624
physiological effects
degradation 2232
mode of action 2232
uptake 2603
residues, soil 3654
soil relations, water quality 2603
Sulfallate *contd.*
toxicology
carcinogens 1222, 2232
laboratory animals 1222, 1226
mutagens 1223, 1226, 2232
teratogens 1223, 1226
usage
compatibility 1970
crops, vegetable crops 2603
irrigation 1970, 2603
Sulphamate, ammonium (*see* AMS)
Sulphanilamide, 3,5-dinitro-N^4,N^4-dipropyl- (*see* Oryzalin)
Sulphate, ammonium 673, 717, 1573, 1703, 2821, 3056, 3760
Sulphate, copper 2379
Sulphide, 3,5-dibromo-4-hydroxyphenyl methyl 1523
Sulphimide, *N*-(4-dipropylamino-3,5-dinitrophenylsulphonyl)-*S,S*-dimethyl- (*see* Profluralin)
Sulphonamide, *N*-(2-(*O,O*-di-isopropyldithiophosphoryl)ethyl)benzene- (*see* Bensulide)
Sulphonamide, 1,1,1-trifluoro-*N*-(4-phenylsulphonyl-*o*-tolyl)methyl- (*see* Perfluidone)
Sulphonate, 4-(2,4-dichlorobenzoyl)-1,3-dimethylpyrazol-5-yl *p*-toluene- 2377
Sulphonate, 2,3-dihydro-3,3-dimethyl-5-benzofuranyl ethane- 4, 84, 1629
Sulphonate, 2,3-dihydro-3,3-dimethylbenzofuran-5-yl ethane- 2768, 3299, 3520
Sulphonate, 2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methyl- (*see* Ethofumesate)
Sulphone, 3,5-dibromo-4-hydroxyphenyl methyl 1523
Survey
Abutilon theophrasti, seeds 1755
Avena fatua 1464
crops, weeds, and 839
Gambia, The, flora 839
German Democratic Republic, flora 2539
weed ecology 629, 693, 2912
competition 1775
distribution 1585, 1785, 1786, 1791
weed seeds 188, 1407
contamination 577, 1411
soil 1406
weeds 838, 2331, 2919, 2921
parasitic 858
Sweden
herbicide
economics 3796, 4116
recommendations 687, 689, 4111, 4112
review 4123
weed control
economics 4120
organization 4103
Swep, usage, crops, culinary herbs 96
Symposium
herbicides
analysis 4030
toxicology 1221
weed control, biological 2946, 3975

2,4,5-T
analysis 287
bioassay 1494
chromatography 295, 3011, 3304, 3306, 3308
gas-liquid chromatography 1524
spectrophotometry 2259
thin-layer chromatography 2257
chemistry and properties
impurities 2672, 3669
structure/activity relationships 3343
formulation 3158
carriers 1709
oil-miscible concentrates 3524
physiological effects
adsorption 3628
cytology 3989
genetics 1494
metabolism
enzymes 3343
fatty acids 3989
penetration 3628
translocation 3628

2,4,5-T *contd.*
residues
plant 640, 3011
plant products 3011
soil 310, 1524
soil relations
adsorption 2287, 2643, 3330
degradation 310, 2274, 2283, 2287, 3040, 3330
leaching 2283
toxicology 3669
aquatic organisms 3320
birds 315, 3323
disposal 1940
environmental pollution 310, 2672, 4052
laboratory animals 1548, 1549, 1932, 2259
livestock 315, 934, 2271
man 935, 2270, 2271, 2638, 3304, 3667
teratogens 2271, 2638, 3308, 3323
usage
additives 1083
application, methods 2125, 2463, 3524
crops
cereals 1004, 2004
forage crops 1659, 1660, 1792
forests 1081, 1372, 1379, 1709, 1721, 2461, 2840, 3034, 3177, 3507, 3512
grassland 2790
plantation crops 1701, 3503, 3865
rangeland 64, 803, 1056, 1342, 1343, 1983, 3158, 3828
damage 640
mixtures 778, 779, 1004, 1056, 1081, 1083, 1342, 1343, 1659, 1660, 1701, 1723, 1724, 1745, 2004, 2124, 2125, 2274, 2846, 3178, 3865
2,4-D 2271
picloram 1725
non-crop situations 1745, 3667
selectivity 2840
weeds 3888
aquatic 163
woody 779, 1083, 1372, 1373, 1660, 1723, 1724, 1725, 2124, 2125, 2463, 2846, 3178, 3180, 3824
wetters 3158
yield 1004

2,3,6-TBA
analysis, gas-liquid chromatography 1524
residues
soil 638, 1524
water 638
soil relations, degradation 638
toxicology, environmental pollution 638
usage
crops
cereals 407, 3402
forage crops 2781
grassland 2776
plantation crops 2826
mixtures 407, 2826, 3178
weeds 2471
parasitic 2781
woody 3178

TCA
analysis, gas-liquid chromatography 917
chemistry and properties, synergism 175
physiological effects
cell division 3290
degradation 3637
genetics 3290
metabolism 2596
carbohydrates 462
chlorophyll 462
enzymes 893, 3630
oils 2051
proteins 2051
waxes 3289
photosynthesis 462
pollen germination 3290
respiration 462
soil relations
degradation 3637
microbial 654
leaching 653, 654
microbial activities
nitrogen fixation 1049
soil enzymes 4084
organic matter 4084

TCA *contd.*
usage
compatibility, herbicides 3289
crops
cereals 695
fibre crops 734
forage crops 60, 61, 464, 485, 1340, 1657
forests 3513
grassland 2786, 3151, 3368
medicinal herbs 2058
oilseed crops 738, 740, 1646, 2051, 3809
root crops 458, 461, 468, 731, 738, 1593
vegetable crops 495
mixtures 60, 175, 458, 461, 464, 468, 495, 731, 738, 740, 1049, 3151, 3678
chloridazon 960
persistence 3718
sequences 458, 461, 495, 1593
weeds 1739, 2129
aquatic 163
woody 3513
yield 1646, 1657

Tebuthiuron
analysis 280
bioassay 3681
formulation
pellets 3452, 3880
wettable powders 3452, 3880
residues, soil 3681
soil relations, moisture 834
usage
compatibility, herbicides 1258
crops
cereals 1258
grassland 57, 529, 1045, 1336, 3452
plantation crops 1072, 1364, 2452, 3497
rangeland 62, 63, 751, 834, 1054, 1056, 1661, 3461, 3681, 3825, 3826, 3828
damage 1336
mixtures 1364, 2841
diuron 1072
non-crop situations 1744, 2841
quality 57, 1072
weeds 1661
woody 62, 3461, 3880, 3882

Terbacil
analysis, bioassay 3047
physiological effects
genetics 2999
germination 3047
photosynthesis 3047
residues, soil 1357, 1358, 2653
soil relations
adsorption 2653, 3329
degradation, photolytic 660, 3047
leaching 652, 3329
microbial activities, nitrogen fixation 1049
microorganisms, bacteria 353, 2656
pH 3677
toxicology, soil mesofauna 4086
usage
crops
forage crops 61, 487, 746, 2782, 3820
forests 3509
grassland 3816
medicinal herbs 2401, 2457
ornamental crops 502
small fruits 117, 2816, 2818, 3170, 3485, 3852
tree fruits 126, 512, 770, 1090, 1357, 1358, 1359, 2448, 3852
vegetable crops 2792
cumulative effects 1357
damage 3170, 3816
fertilizers 3485
mixtures 770, 1392, 2850, 3852
pests 1359
sequences 502, 1358, 3820
weeds 1392

Terbumeton
formulation, carriers 3705
physiological effects, metabolism, chlorophyll 624
residues
plant 122
soil 122

Terbumeton *contd.*
usage
compatibility, fertilizers 3705
crops
plantation crops 141
small fruits 121, 122, 123, 2107, 3488, 3490
tree fruits 512, 772, 2113, 3705
mixtures 121, 123, 141, 512, 772, 2107, 2113, 3488, 3490, 3705

Terbuthylazine
analysis
chromatography 3026
gas-liquid chromatography 923
formulation, carriers 3705
physiological effects
metabolism, enzymes 3630
uptake 3642
residues
plant 122
soil 122
soil relations
adsorption 3642
pH 3677
usage
additives 19
compatibility, fertilizers 3705
crops
cereals 7, 18, 19, 411, 423, 433, 439, 440, 443, 445, 2009, 2340, 3091, 3399, 3729, 3739
forage crops 3458
forests 2121
grassland 488
plantation crops 141
pulses 24, 1313, 2009, 2023, 3410
root crops 467, 2046
small fruits 121, 122, 123, 2107, 3490
tree fruits 512, 772, 2113, 3705
vegetable crops 83
damage 3458
mixtures 7, 19, 24, 83, 121, 123, 141, 411, 423, 433, 439, 440, 467, 488, 512, 772, 1313, 2009, 2023, 2046, 2107, 2113, 2340, 3091, 3410, 3458, 3490, 3705, 3729, 3739
selectivity 2121

Terbutryne
analysis
chromatography 1525, 3026
flame ionization detection 3654
chemistry and properties, solubility 2247
physiological effects
metabolism
enzymes 623
fatty acids 1010
minerals 1009
residues
plant 3654
soil 1244
water 1244
soil relations
adsorption 1943
degradation 1244, 2305
lateral movement 3063
leaching 1951, 3063
microbial activities, soil enzymes 346
moisture 3063
organic matter 1943
straw 3063
water quality 2847
toxicology
aquatic organisms 304, 3036
fish 1545
usage
additives 19, 1255
antidotes 3103
application, methods 3063
crops
cereals 11, 17, 19, 386, 413, 439, 440, 1007, 1009, 1010, 1277, 1605, 2009, 2326, 2343, 2351, 2358, 2700, 3091, 3103, 3743
forage crops 3458
grassland 3151
oilseed crops 38, 455, 456, 729, 2396
pulses 23, 24, 36, 1313, 2009, 2023, 2740, 3410
root crops 2046, 3793, 3804
tree fruits 1360
vegetable crops 22, 83, 450

Terbutryne *contd.*
usage *contd.*
damage 19, 36, 3458
mixtures 17, 24, 38, 83, 439, 440, 455, 456, 729, 1255, 1313, 1605, 2009, 2023, 2046, 2740, 3091, 3103, 3151, 3410, 3458, 3743, 3793, 3804
non-crop situations 2847, 3036
persistence 3731
quality 1605
rescue crops 2324
selectivity 3743
sequences 413, 729, 1277
weeds 527, 2987
aquatic 158, 159, 304, 2847, 3036
yield 2700
Tetrafluron
usage
crops
fibre crops 3371, 3807
plantation crops 3500
mixtures 3371
Thesis
Avena fatua, seeds 1748
herbicides, soil relations 1555
Poa annua, genetics 1511
weed control, minimum tillage 213
Thiadiazine-2-thione, 3,4,5,6-tetrahydro-3,5-dimethyl-2*H*-1,3,5- (*see* Dazomet)
Thiadiazin-4-one 2,2-dioxide, 8-fluoro-3-isopropyl-2,1,3-benzo- 1516
Thiazafluron, usage, non-crop situations 2841
Thiazole-5-carboxylate, benzyl 2-chloro-4-trifluoromethyl- 3103, 2372
Thiobencarb
analysis, thin-layer chromatography 290
formulation 305
physiological effects
germination 2012
photosynthesis 2012
respiration 2012
residues
atmosphere 3439
soil 290
soil relations
adsorption 719
degradation
chemical 333
microbial 333
microbial activities 3110
organic matter 333
pH 3991
temperature 333
type 3110
toxicology
aquatic organisms 305, 644
fish 305, 644
insects 1584
usage
antidotes 719
application, methods 3110
climate 3110, 3439
crops
cereals 20, 1024, 1311, 1611, 1628, 2012, 2014, 2017, 2379, 3106, 3108, 3110, 3403, 3767, 3991
culinary herbs 96
damage 3439
irrigation 1628
mixtures 20, 1311, 1628, 2017, 3106
propanil 2014
weeds 807
aquatic 2014
yield 1024, 3108
Thiolcarbamates (*see* carbamates, thiol-)
Thiophosphate, *S*-(2-methyl-1-piperidylcarbonylmethyl) *O,O*-dipropyl di- (*see* Piperophos)
Thiourea 1099, 1102
Thiram 2100, 3846
Toluene, butylated hydroxy- 1965
Toluidide, α-chloro-6-ethyl-*N*-(2-methoxy-1-methylethyl)-*o*-aceto- (*see* Metolachlor)
Toluidide, α-chloro-*N*-2-methoxyethyl-*o*-aceto- 4005
Toluidide, 4-ethylthio-*N*-methylsulphono-α,α,α-trifluoro-*o*- 113, 114, 2730, 3140, 3143, 3144, 3145, 3299
Toluidide, 4′-(phenylsulphonyl) trifluoromethyl-sulphono-*o*- (*see* Perfluidone)
Toluidine, *N*-(cyclopropylmethyl)-α,α,α-trifluoro-2,6-dinitro-*N*-propyl-*p*- (*see* Profluralin)
Toluidine, *N*-ethyl-α,α,α-trifluoro-*N*-(2-methylallyl)-2,6-dinitro-*p*- (*see* Ethalfluralin)
Toluidines (*see also* anilines, methyl-)
Tri-allate
analysis
bioassay 916, 4031
chromatography 1920, 2289
gas-liquid chromatography 3311
chemistry and properties, synergism 175
formulation
emulsions 363, 2289
granules 363, 2289
physiological effects
degradation 2232
metabolism, minerals 1014
mode of action 2232
residues
atmosphere 1920, 1924, 3315
plant 1539, 3311
plant products 1539, 3311
soil relations, fertility 363
toxicology
laboratory animals 1226
mutagens 1223, 1226, 1937, 2232
teratogens 1223, 1226
usage
compatibility, fertilizers 363, 3057
crops
cereals 12, 13, 363, 413, 416, 706, 1014, 1132, 1282, 1284, 1286, 1539, 1603, 2340, 2343, 2357, 2358, 3088, 3745
fibre crops 734
forage crops 1539
oilseed crops 2057
pulses 2756, 3770
damage 2358
mixtures 175
isoproturon 2294
persistence 2289, 2294
sequences 413, 2358, 3678
weeds 527
yield 1282
Triazine, 2-azido-4-ethylamino-6-isopropylamino-1,3,5- 1905
Triazine, 2-azido-4-isopropylamino-6-methylthio-1,3,5- (*see* Aziprotryne)
Triazine, 4,6-bisethylamino-2-methylthio-1,3,5- (*see* Simetryne)
Triazine, 4,6-bisisopropylamino-2-methoxy-1,3,5- (*see* Prometon)
Triazine, 4,6-bisisopropylamino-2-methylthio-1,3,5- (*see* Prometryne)
Triazine, 2-chloro-4,6-bisisopropylamino-1,3,5- (*see* Propazine)
Triazine, 2-chloro-4-(1-cyano-1-methylethylamino)-6-cyclopropylamino-1,3,5- (*see* Procyazine)
Triazine, 2-chloro-4-(1-cyano-1-methylethylamino)-6-ethylamino-1,3,5- (*see* Cyanazine)
Triazine, 2-chloro-4-diethylamino-6-ethylamino-1,3,5- (*see* Trietazine)
Triazine, 2-chloro-4-ethylamino-6-isopropylamino-1,3,5- (*see* Atrazine)
Triazine, 2-chloro-4-ethylamino-6-t-butylamino-1,3,5- (*see* Terbuthylazine)
Triazine, 2-(*N*-cyano-*N*-methyl)amino-4,6-bisisopropylamino-1,3,5- 639, 641, 1026
Triazine, 4-(1-cyano-1-methylethylamino)-6-ethylamino-2-methylthio-1,3,5- (*see* Cyanatryn)
Triazine, 4-(1,2-dimethylpropylamino)-6-ethylamino-2-methylthio-1,3,5- (*see* Dimethametryn)
Triazine, 4-ethylamino-2-hydroxy-6-isopropylamino-1,3,5- 4000
Triazine, 4-ethylamino-6-isopropylamino-2-methoxy-1,3,5- (*see* Atraton)
Triazine, 4-ethylamino-6-isopropylamino-2-methylthio-1,3,5- (*see* Ametryne)
Triazine, 4-ethylamino-2-methoxy-6-s-butylamino-1,3,5- (*see* Secbumeton)
Triazine, 4-ethylamino-2-methoxy-6-t-butylamino-1,3,5- (*see* Terbumeton)
Triazine, 4-ethylamino-2-methylthio-6-t-butylamino-1,3,5- (*see* Terbutryne)
Triazine, 2-ethylthio-4,6-bis(isopropylamino)-1,3,5- (*see* Dipropetryn)
Triazine, 4-isopropylamino-6-(3-methoxypropylamino)-2-methylthio-1,3,5- (*see* Methoprotryne)
Triazine, 4-isopropylamino-6-methylamino-2-methylthio-1,3,5- (*see* Desmetryne)
Triazine-2,4-dione, 3-cyclohexyl-6-dimethylamino-1-methyl-1,3,5- (*see* Hexazinone)
Triazines 898, 1741, 2328, 2599, 3281, 3295, 3631, 3632, 3655, 4020
Triazines, chloro-1,3,5- 651
Triazines, 2-chloro-1,3,5- 3659
Triazines, 1,3,5- 611, 741, 841, 1194, 1242, 1471, 1511, 1553, 1560, 1564, 1805, 1897, 1923, 2263, 2264, 2300, 2301, 2325, 2624, 3025, 3282, 3283, 3313, 4036
Triazin-5-one, 4-amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4- (*see* Metamitron)
Triazin-5-one, 4-amino-3-(methylthio)-6-t-butyl-1,2,4- (*see* Metribuzin)
Triazole, 3-amino-1,2,4- (*see* Aminotriazole)
Triclopyr
physiological effects, metabolism, carbohydrates 257
residues, plant 2637
soil relations, temperature 4072
usage
additives 1722
application, methods 2463
climate 3462
crops
cereals 2345, 3765
forests 1082, 2840, 3878
grassland 488, 1046
lawns and sports turf 509, 1685
plantation crops 3506
rangeland 63, 2843, 3158, 3462
mixtures 63, 509, 765, 778, 1046, 1082, 1745, 3506, 3765
non-crop situations 1745
persistence 4072
selectivity 2840
weeds 2471, 3525
woody 1082, 1722, 2463, 2843, 3178, 3180, 3462, 3878, 3881
wetters 3158
Trietazine
usage
crops
pulses 1313
small fruits 1589
mixtures 1313, 1589
Trifluralin
analysis
bioassay 916, 4031
chromatography 1532, 3024
chemistry and properties, solubility 1917
formulation 305
emulsions 957
pellets 957
manufacture 3043
physiological effects
cytology 621, 2233, 2608, 2609
chloroplast 1508
genetics 1040, 1190, 3287
germination 2772
metabolism
amino acids 2233
carbohydrates 52
chlorophyll 258
enzymes 2608
fats 906
fatty acids 906
minerals 258, 3641
oils 1637
proteins 2233
mode of action 621, 2608
morphology 1901
photosynthesis 1508
respiration 2608
uptake 52, 3342
residues
atmosphere 3315
soil 310, 1012, 1986, 2297, 3109, 3337, 3471
water 1220
soil relations
degradation 310, 3337
photolytic 3109
vaporization 2297
fertility 52
leaching 3342
microbial activities 1063, 1246

Trifluralin *contd.*
soil relations *contd.*
microbial activities *contd.*
nitrogen fixation 1564, 1631, 1671, 2310
soil enzymes 1563
microorganisms
bacteria 1246, 1564
fungi 621, 1246, 1959
moisture 3337
pH 3337
runoff 1220
straw 1942
temperature 3337
type 3109
toxicology
aquatic organisms 305, 644
carcinogens 1222
environmental pollution 310
fish 305, 644
insects 1584
laboratory animals 1222
mutagens 4004
usage
additives 959
antidotes 89, 2730
application
equipment 3353
methods 4095
climate 1094, 3443, 3803
compatibility
fertilizers 721, 1971
herbicides 3302
crops
cereals 413, 716, 1295, 1942, 1996, 2297, 2346, 2351, 2381, 2686, 2693, 2694, 2701, 2708, 2739
culinary herbs 2430
fibre crops 473, 737, 1332, 2052, 2398, 3136, 3137, 3141, 3437, 3438, 3805, 3807, 3808
forage crops 1595, 1658, 2904, 3454
forests 143, 1901, 3508
medicinal herbs 2430, 2457
oilseed crops 50, 737, 739, 740, 1595, 1646, 2052, 2056, 2772, 2773, 3124, 3148, 3440, 3442, 3443
ornamental crops 1680, 2099
plantation crops 476, 1701, 2402, 3189, 3812
pulses 4, 29, 32, 721, 758, 1029, 1317, 1318, 1324, 1619, 1631, 1635, 1637, 1971, 2032, 2056, 2297, 2381, 2384, 2470, 2686, 2742, 2746, 2756, 3115, 3116, 3121, 3164, 3342, 3417, 3420, 3422, 3770, 3780, 3787
root crops 1331, 1645, 3803
small fruits 1696
tree fruits 1696
vegetable crops 70, 76, 77, 78, 81, 84, 85, 88, 90, 95, 497, 752, 1059, 1067, 1346, 1665, 1670, 2094, 2095, 2427, 2797, 2800, 3287, 3443, 3474, 3475, 3476
damage 2297, 3109, 3443, 3769, 3803
diseases 37, 721, 1063, 1325, 1509, 3808
economics 380
mixtures 29, 50, 85, 413, 716, 721, 740, 1029, 1635, 1670, 1996, 2094, 2095, 2381, 2693, 2694, 2701, 2708, 2739, 2742, 2746, 2800, 3780, 3787, 4095
fluridone 3136
linuron 1942, 2324, 2351
nitrofen 2351
persistence 957, 2337, 2686, 3329, 3342, 3731
quality 737, 1067, 1670, 2052, 3808
flavour 1670
rescue crops 2324
selectivity 1029, 1325, 2693, 2694, 3148, 3454, 3522, 3805
sequences 76, 77, 78, 95, 413, 473, 497, 1318, 2773, 3141, 3191, 3422, 3678
weeds 1396, 3191
yield 1067, 1646, 2297, 3641

Trifop
physiological effects
metabolism
oils 2051
proteins 2051
residues, soil 1946
soil relations
leaching 1946
moisture 1946
temperature 1946
type 1946
usage
climate 1946
crops
fibre crops 3143
oilseed crops 2051
persistence 1946
Trifopsime 3418 (*see also* Oxime, acetone *O*(D-2-[4-(4-trifluoromethylphenoxy)phenoxy]øropionyl)-)
chemistry and properties, antagonism 3419
usage
additives 3727
compatibility, herbicides 3776
crops
fibre crops 3140
forage crops 3822
grassland 3814
pulses 3119, 3419, 3420, 3776
root crops 3797
vegetable crops 3727
damage 3797
mixtures 3419, 3776
sequences 3776
Tropics
flora 1987
herbicide 1974
recommendations 699
weed control, review 1987
Tunisia, weed control, review 3587

UK
flora 547, 2689
herbicide
economics 379
legislation 376
organization 3355
statistics 379, 380, 1262, 1263, 3357
herbicides, economics 385
weed control
education 374, 375
legislation 154, 375
organization 374, 4110
review 154, 787, 2689
Uracil, 5-bromo-6-methyl-3-(1-methylpropyl)- (*see* Bromacil)
Uracil, 5-chloro-6-methyl-3-t-butyl- (*see* Terbacil)
Uracils 3282
Uracils, 3-alkoxy- 912
Uracils, 3-alkoxy-5-bromo-6-methyl- 912, 913
Urea, *N*-(benzothiazol-2-yl)-*N,N'*-dimethyl- (*see* Methabenzthiazuron)
Urea, *N*-(benzothiazol-2-yl)-*N'*-methyl- (*see* Benzthiazuron)
Urea, *N*-benzoyl-*N*-(3,4-dichlorophenyl)-*N',N'*-dimethyl- (*see* Phenobenzuron)
Urea, *N'*-(4-bromo-3-chlorophenyl)-*N*-methoxy-*N*-methyl- (*see* Chlorbromuron)
Urea, *N'*-(4-bromophenyl)-*N*-methoxy-*N*-methyl- (*see* Metobromuron)
Urea, *N*-butyl-*N'*-(3,4-dichlorophenyl)-*N*-methyl- (*see* Neburon)
Urea, *N'*-(3-chloro-4-methoxyphenyl)-*N,N*-dimethyl- (*see* Metoxuron)
Urea, *N'*-(4-chloro-3-methylphenyl)-*N,N*-dimethyl- 2995
Urea, *N'*-(3-chloro-4-methylphenyl)-*N,N*-dimethyl- (*see* Chlortoluron)
Urea, *N'*-(2-chlorobenzenesulphonyl)-*N*-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)- 7, 111, 272, 411, 465, 529
Urea, *N'*-4-(4-chlorophenoxy)phenyl-*N,N*-dimethyl- (*see* Chloroxuron)
Urea, *N'*-(4-chlorophenyl)-*N,N*-dimethyl- (*see* Monuron)
Urea, *N'*-(4-chlorophenyl)-*N*-methoxy-*N*-methyl- (*see* Monolinuron)
Urea, *N'*-cyclo-octyl-*N,N*-dimethyl- (*see* Cycluron)
Urea, *N'*-(3,4-dichlorophenyl)-*N,N*-dimethyl- (*see* Diuron)
Urea, *N'*-(3,4-dichlorophenyl)-*N*-methoxy-*N*methyl- (*see* Linuron)
Urea, *N,N*-dimethyl-*N'*-phenyl- (*see* Fenuron)
Urea, *N,N,*-dimethyl-*N'*-(5-t-butyl-1,3,4-thiadiazol-2-yl)- (*see* Tebuthiuron)
Urea, *N,N*-dimethyl-*N'*-(5-t-butylisoxazol-3-yl)- 3680
Urea, *N,N*-dimethyl-*N'*-[3-(1,1,2,2-tetrafluoroethoxy)phenyl]- (*see* Tetrafluron)
Urea, 1,3-dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)- (*see* Thiazafluron)
Urea, *N.N*-dimethyl-*N'*-(3-trifluoromethylphenyl)- (*see* Fluometuron)
Urea, *N'*-(5-ethylsulphonyl)-1,3,4-thiadiazol-2-yl)-*N,N'*-dimethyl- (*see* Ethidimuron)
Urea, *N*-(4-isopropylphenyl)-*N',N'*-dimethyl- (*see* Isoproturon)
Urea, *N*-methoxy-*N*-methyl-*N'*-4-(4-methylphenethyloxy)phenyl- 2620
Urea, *N'*-4-(4-methoxyphenoxy)phenyl-*N,N*-dimethyl- (*see* Difenoxuron)
Urea, *N*-methyl-*N'*-(5-t-butylisoxazol-3-yl)- 3680
Urea, *N*-(2-methylcyclohexyl)-*N'*-phenyl- (*see* Siduron)
Urea, *N'*-(5-t-butylisoxazol-3-yl)-*N*-methyl- 3005
Ureas 1553, 1741, 2994, 3013, 3281, 3631, 3632
Ureas, phenyl- 634, 918, 1194, 1530, 1531, 2250, 3023
Uruguay, flora 3210
USA
flora 1272
herbicide
economics 970, 4115
legislation 3070, 3714
statistics 381, 382, 383, 3664
states
Alabama, flora 2921
California, weed control, review 2332
Florida, weed control, review 872
Illinois
flora 3550
herbicide, statistics 1232
Kansas, weed control, organization 2962
Wisconsin, weed control, review 1792
weed control 1652
organization 683, 684
USSR
flora 566, 567, 569, 1129
herbicide
economics 627, 690, 962
legislation 627
organization 668, 914
recommendations 668
review 697, 962
statistics 627, 678, 690, 914, 962
weed control
economics 1590, 3365
organization 697
recommendations 1590
review 697, 1590
statistics 697, 3365

Valeramide, *N*-(4-chlorophenyl)-2,2-dimethyl- (*see* Monalide)
Vernolate
analysis, thin-layer chromatography 290
physiological effects, germination 2772
residues, soil 290
toxicology
mammals 4045
man 4045
mutagens 1935
soil mesofauna 3347
usage 2031
additives 3777
antidotes 2011, 3393, 3777
climate 1094
crops
cereals 2011, 2719, 2720, 3393
oilseed crops 2034, 2758, 2772, 3124
pulses 2031, 2470, 2744, 3423, 3777
damage 2031
mixtures 2034, 2720, 2744
persistence 2337

Vernolate *contd.*
usage *contd.*
pests 3347
weeds 3187

Weed biology 190, 543, 812, 823, 989, 1416, 2186, 2472, 3198, 3205, 3206, 3547
anatomy 230, 591, 594, 596, 860, 1470, 1811, 1880, 2562, 2932, 3258, 3259, 3534, 3603, 3952
apical dominance 3865
cytology 593, 2516
development 2878
dormancy 1146, 3546
evolution 553, 816, 823, 2513, 3214
flowering 1090, 1106, 1417, 1418, 1460, 1469, 1750, 1759, 1763, 1809, 2894, 3204, 3555
genetics 196, 1111, 1420, 1422, 1824, 2153, 2154, 2155, 2513, 2885, 2888, 2889, 3950
genotype 3201
identification 547, 2876
life cycle 546, 555, 1106, 1586, 1729, 1750, 2150, 2504, 2876, 2877, 3202, 3554, 3581, 3586, 3594, 3957
morphology 191, 196, 595, 859, 864, 1412, 1418, 1460, 1469, 1489, 1811, 2148, 2153, 2155, 2156, 2183, 2878, 2934, 3202, 3253, 3536, 3913
phenotype 3201
physiology 181, 184, 187, 230, 231, 544, 591, 593, 811, 867, 1814, 2176, 2184, 2185, 2321, 2552, 2564, 2566, 2568, 2571, 2885, 2908, 2934, 3081, 3192, 3217, 3218, 3275, 3280, 3546, 3556, 3596, 3598, 3600, 3604, 3605, 3908, 3915, 3920, 3954, 4020
pollination 1460, 1469, 3258, 3259
rhizome 811, 1105, 1106, 3865, 3908, 3909
root 3200, 3957
shoot 863, 3957
taxonomy 191, 193, 195, 196, 547, 548, 551, 552, 584, 595, 1109, 1421, 1422, 1423, 1463, 1468, 1470, 1760, 1761, 2153, 2155, 2514, 2516, 2889, 2890, 3209, 3210, 3212, 3254, 3595, 4125
tuber 522, 555, 1757, 2501, 2525, 2858
vegetative reproduction 522, 541, 555, 589, 811, 1105, 1407, 1414, 1757, 2182, 2497, 2562, 2894, 3200, 3909
review 2148

Weed control
biological 222, 1180, 1381, 1427, 1482, 1484, 1485, 1486, 1487, 1492, 1652, 1715, 1824, 1825, 1827, 1828, 1833, 1870, 2067, 2150, 2325, 2680, 2844, 2944, 2947, 2948, 2951, 2952, 2953, 2954, 3071, 3268, 3365, 3608, 3928, 3961, 3975
animal 1057, 3611
fungus 240, 244, 600, 700, 872, 873, 1162, 1163, 1164, 1167, 1175, 1489, 1490, 1831, 1832, 1839, 1848, 1866, 1868, 1874, 1878, 2196, 2217, 2218, 2578, 2587, 2588, 2955, 3269, 3366, 3616, 3950, 3974, 3976, 3977, 3978, 3979, 3980, 3981, 3982, 3983, 3984, 3985, 3987, 4113
herbivorous fish 169, 170, 171, 524, 790, 791, 792, 793, 794, 872, 1087, 1383, 1587, 1730, 1731, 1732, 2330, 2851, 3186
conference 3884
insect 237, 238, 239, 241, 242, 243, 244, 245, 246, 797, 871, 872, 878, 1057, 1165, 1168, 1174, 1178, 1179, 1491, 1742, 1826, 1829, 1830, 1834, 1836, 1837, 1838, 1840, 1841, 1843, 1845, 1846, 1851, 1853, 1854, 1855, 1856, 1857, 1858, 1860, 1861, 1862, 1863, 1864, 1867, 1869, 1871, 1875, 1876, 1877, 1982, 1993, 2195, 2197, 2198, 2199, 2200, 2202, 2203, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2219, 2220, 2221, 2222, 2224, 2575, 2577,

Weed control *contd.*
biological *contd.*
insect *contd.*
2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2589, 2590, 2592, 2593, 2945, 2956, 2957, 2958, 2959, 2960, 2963, 2964, 2966, 2969, 2970, 2971, 2972, 2974, 2978, 3265, 3267, 3270, 3273, 3587, 3610, 3612, 3613, 3614, 3617, 3960, 3962, 3963, 3964, 3965, 3967, 3969, 3971, 3972, 3973, 3986
microorganism 185, 1169, 1176, 1831, 2949
nematode 1873, 2950
review 1483
symposium 2946
virus 872, 1835, 3587
chemical 966, 1586, 1587, 1715, 1729, 2319, 2320, 3365
mecoprop 3891
triclopyr 3891
chemical v cultural 158, 401, 454, 520, 748, 1055, 1286, 1386, 1641, 1983, 2087, 2325, 2439, 2834, 3514, 3516, 3752, 3758, 3763, 3796, 4116, 4119, 4120
climate 478, 2170, 2369
crops
forests 148
plantation crops 132
cultural 966, 1715, 1729, 2319, 2325
burning 216, 1056, 2122, 2417, 3155, 3156, 3179, 3882
electrical 682, 1578, 2671, 3068, 3069, 4098
manual 680, 681, 789, 1433, 1772, 2331, 2371, 2374, 2442, 2728, 2734, 2904
mechanical 158, 168, 1260, 2715, 2734, 2773
cultivation 28, 213, 372, 389, 424, 472, 560, 1011, 1387, 1428, 2045
direct drilling 1600
harrowing 424, 448, 472, 2736, 2737, 3791
hoeing 18, 372, 439, 443, 680, 1079, 1368, 1630, 1688, 2024, 2371, 2402
ploughing 389, 424, 448, 449, 472, 577, 1387, 2737, 2788, 2845, 3791
rotary cultivation 372, 1623
mulching 125, 373, 531, 1065, 1079, 1105, 1344, 1428, 1681, 1693, 2081, 2085, 2098, 2365, 2755, 2799, 2803, 2871, 3173, 3231, 3842, 3847
diseases 711
ease of harvesting 717, 2695
economics 164, 531, 532, 971, 1983, 2099, 2341, 2734, 2904, 2929, 3427, 3487, 3502, 3976, 4119
herbicide use
growth stage 3827
physiology 860, 900, 1517
resistance 860, 898, 1894, 2600, 2987, 2988, 3631, 4020
history 992, 993, 1482, 2244, 4115
integrated control 389, 403, 795, 1349, 2325, 2680, 2954, 3363, 3364, 3608, 3742, 3976, 3984, 3985
management 166, 782, 1120, 2415
crop density 208, 559, 1051, 1783, 2743, 2798, 3084, 3791
cropping 139, 448, 472, 1059, 1587, 1992, 2328, 3231, 3842
cutting 152, 160, 164, 167, 485, 777, 780, 1335, 1340, 1379, 1415, 2074, 3511, 3887, 4109
draining 3182
fallowing 389, 424, 434, 570, 1279, 1294, 1428, 1455, 2354, 2736
fertilizers 42, 574, 1044, 1736, 2407, 2790, 2917, 3084
flooding 449, 2016, 2020, 2917, 3407, 3528, 3764
grazing 216, 1139, 2177, 3587, 3934
ground cover 1587, 2445, 2731, 2827
irrigation 1335, 1628, 2170, 3105, 3849
mowing 2790, 3891, 3934
review 3246
rotation 448, 574, 1133, 1386, 1992, 2144, 2145, 2169, 2170

Weed control *contd.*
management *contd.*
row spacing 424, 559, 1303, 1433, 1436, 1633, 1650, 1771, 1774, 2033, 2861, 2896, 3084, 3416, 3424, 3774
seedbed preparation 472, 724, 730, 3104
shading 165, 1383
stale seedbed 1312, 2736
minimum tillage 213, 571, 722, 730, 1387, 1587, 1588, 1632, 2330, 2353, 2681, 2737, 2755, 3104, 3232, 3486, 3487, 3737, 3738, 3759, 4079
non-crop situations
amenity and recreation areas 501, 531, 532, 534, 541, 601, 676, 762, 800, 1349, 1683, 3847
ditches 157, 167, 168, 1085, 1735, 2849
drainage channels 1383, 3514
firebreaks 2835, 2839, 2842
industrial sites 1095, 1743
irrigation systems 1925, 2850
lakes 160, 161, 164, 165, 219, 789, 2848
ponds 219, 785, 3516
power lines 1391
railways 1735, 1744, 3051
reservoirs 2848, 3317
rights-of-way 179, 683, 2839
rivers 521
roadsides 178, 533, 1735, 3891
waterways 158, 159, 162, 165, 166, 219, 306, 328, 361, 388, 781, 784, 786, 847, 2847, 3036, 3514, 3515
organization 374, 1591
review 136, 159, 308, 2415, 3210, 4115
species shift 121, 198, 213, 214, 571, 841, 843, 1045, 1131, 1290, 1368, 1378, 2066, 2076, 2107, 2111, 2330, 2544, 2788, 3104, 3167, 3243, 3740, 3860, 3933

Weed ecology 546, 782, 812, 1416, 1587, 1591, 1985, 2156, 2179, 2472, 2514, 3205, 3249, 3251, 3547
allelopathy 178, 211, 212, 565, 607, 837, 889, 1188, 1440, 1780, 1993, 2325, 2530, 2535, 2536, 2907, 2910, 2985, 3279, 3574, 3615, 3626, 3921, 3930, 3931, 3934, 3935, 3999
associations 214, 845, 1130, 1407, 1411, 1444, 1447, 1452, 1453, 1754, 1799, 2181, 2548, 2913, 2914, 2918, 3232, 3576, 3578, 3583, 3587, 3942
biotype 229, 584, 823, 2987, 3552, 3913, 4020
climate 538, 554, 555, 591, 694, 811, 849, 851, 1105, 1143, 1400, 1403, 1405, 1412, 1425, 1461, 1763, 2172, 2548, 2550, 2552, 2858, 2876, 2894, 2911, 2917, 3192, 3216, 3556, 3571, 3591, 3596, 3920, 3925, 3926, 3934, 4020
colonization 218, 220, 589, 846, 1127, 1453, 1756, 1794, 1801, 1802, 2876, 3551, 3588, 3592, 3941
competition 1, 208, 209, 226, 478, 510, 554, 557, 561, 830, 851, 1120, 1122, 1125, 1433, 1645, 1777, 1788, 1824, 2134, 2164, 2165, 2178, 2325, 2397, 2527, 2528, 2531, 2532, 2549, 2558, 2894, 2896, 2897, 2899, 2902, 3227, 3229, 3232, 3253, 3527, 3539, 3560, 3873, 3874, 3902, 3921, 3924, 3925, 3926, 3928
survey 1775
decline 1127, 1448, 3236
distribution 190, 215, 220, 225, 226, 359, 388, 580, 581, 584, 585, 586, 588, 694, 849, 852, 853, 1143, 1425, 1460, 1784, 1798, 1799, 1811, 1851, 2150, 2174, 2180, 2540, 2548, 2549, 2555, 2557, 2876, 2889, 2912, 2913, 2914, 2918, 2919, 2921, 2922, 2924, 2926, 2931, 3082, 3232, 3254, 3554, 3589, 3594, 3935, 3941
review 1741
survey 1585, 1785, 1786, 1791
ecotype 584, 1468, 2858
eutrophication 164, 199, 200, 1429
habit 1418

Weed ecology *contd.*
habitat 579, 823, 861, 1438, 1460, 1461, 1764, 1796, 2158, 2173, 2176, 2182, 2183, 2184, 2524, 2912, 2920, 2931, 2934, 3245, 3554, 3591
nutrient removal 1429, 1458, 1788, 1795, 2369, 2397
population decrease 3233, 3575
review 2148, 3215, 3246
soil 198, 217, 556, 575, 586, 694, 1023, 1105, 1114, 1407, 1426, 1458, 1460, 1466, 1467, 1754, 1756, 1764, 1795, 1804, 2158, 2172, 2407, 2482, 2548, 2551, 2891, 2895, 3217, 3218, 3233, 3245, 3558, 3571, 3587, 3740, 3915, 3916, 3932, 3934, 3942
spread 218, 541, 585, 811, 844, 846, 853, 1127, 1139, 1438, 1448, 1802, 2182, 2513, 2549, 2557, 2922, 2925, 2926, 2931, 3592, 3719, 3941, 3942, 3949
succession 216, 217, 221, 585, 643, 1127, 1794, 1802, 3570, 3588
survey 629, 693, 2912
Weed pathology 2135
diseases 233, 868, 1154, 1156, 1162, 1477, 1489, 1818, 1819, 1820, 1821, 1822, 1831, 1832, 1848, 1874, 1878, 2191, 2192, 2218, 2939, 2940, 2941, 2951, 3204, 3260, 3263, 3606, 3607, 3975, 3977, 3978, 3979, 3980, 3981, 3982
pests 234, 235, 236, 599, 871, 1160, 1161, 1821, 1831, 1993, 2194, 2199, 2573, 2586, 2939, 3204, 3264
Weed seeds 1801, 3534
climate 186, 213, 424, 535, 538, 808, 810, 1100, 1101, 1102, 1399, 1402, 1403, 1404, 1405, 1750, 2140, 2146, 2473, 2488, 2868, 2871, 2873, 3194, 3195, 3197, 3527, 3536, 3538, 3539, 3541, 3542, 3622, 3897, 3901, 3903, 4124
contamination 540, 1261, 1411, 2147, 2478, 2791, 3544
survey 577
depth of burial 213, 535, 575, 1090, 1401, 1616, 1747, 2140, 2145, 2853, 2864, 2868, 2869, 3537, 3538, 3541, 3586, 3897
dissemination 222, 571, 1409, 1410, 1449, 1454, 1750, 1794, 2478, 3203, 3906
dormancy 183, 213, 534, 808, 809, 1100, 1101, 1102, 1399, 1403, 1750, 2864, 2865, 2871, 2873, 3131, 3197, 3537, 3539, 3542, 3586
germination 183, 187, 196, 213, 424, 534, 535, 537, 538, 539, 808, 809, 810, 1097, 1099, 1101, 1102, 1104, 1144, 1400, 1401, 1402, 1403, 1404, 1405, 1453, 1736, 1750, 2140, 2141, 2146, 2178, 2325, 2473, 2474, 2478, 2482, 2487, 2488, 2495, 2864, 2865, 2868, 2869, 2871, 3194, 3195, 3197, 3528, 3536, 3538, 3539, 3540, 3541, 3586, 3896, 3897, 3901, 3902, 3903, 3999, 4124
inhibitors 1098, 1100, 3622
stimulants 185, 186, 1099, 1102, 1103, 1399, 1493, 1753, 2490, 2872, 2873, 3277, 3542, 3621, 3904
longevity 1104, 1756, 2495, 2853, 3527
production 389, 539, 1454, 1460, 2146, 2175, 2502, 2868, 3131, 3204, 3894
soil 189, 213, 424, 575, 809, 1294, 1405, 1407, 1409, 2140, 2143, 2146, 2182, 2482, 2495, 2496, 2874, 3541, 3543, 3576, 3897, 3905
review 1754
survey 1406
survey 1407, 1411
viability 41, 534, 1590, 1754, 1993, 2146, 2478, 2496, 2853, 3131, 3537
Weed utilization 692, 1267, 1381, 1429, 1457, 1466, 1480, 1984, 2135, 2321, 2322, 3077, 3081, 3358, 3722, 3723, 4121, 4122

Weeds
aquatic 231, 544, 782, 848, 1136, 1162, 1400, 1412, 1415, 1417, 1424, 1429, 1452, 1458, 1461, 1466, 1517, 1578, 1727, 1795, 1796, 1892, 1977, 2128, 2135, 2321, 2562, 2564, 2979, 3079, 3183, 3195, 3198, 3245, 3246, 3250, 3251, 3253, 3254, 3256, 3275, 3280, 3546, 3600, 3723, 3908, 3954
review 3274
bioassay 1526, 2294, 2622, 3049, 3056
parasitic 86, 232, 441, 442, 556, 578, 593, 594, 595, 596, 863, 865, 866, 867, 879, 1144, 1148, 1149, 1150, 1151, 1152, 1180, 1410, 1432, 1445, 1472, 1473, 1474, 1476, 1753, 1813, 1814, 1865, 1879, 2122, 2173, 2185, 2186, 2187, 2188, 2319, 2411, 2490, 2491, 2511, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2717, 2774, 2872, 3258, 3259, 3261, 3262, 3455, 3456, 3577, 3589, 3590, 3594, 3601, 3602, 3603, 3604, 3605, 3955, 3957
book 3257
review 1810, 1811, 2935
survey 858
poisonous 196, 802, 803, 805, 1583, 2106, 2593, 2857, 3206, 3526, 3720
survey 2331, 2919
woody 152, 844, 2179, 3206, 3592
West Africa, weed control, organization 3105
Wyoming, weed control, review 2682

Xanthine, 1,3,7-trimethyl-, *see* Caffeine 609
Xylidide, α-chloro-*N*-isopropyl-2,3-aceto- 718, 3440
Xylidide, α-chloro-*N*-(2-methoxyethyl-)2′,6′-aceto- (*see* Dimethachlor)
Xylidide, α-chloro-*N*-(1-pyrazolylmethyl)-2,6-aceto- 68, 81, 738
Xylidide, 5-trifluoromethylsulphonylamino-2,4-aceto- (*see* Mefluidide)
Xylidine, *N*-(1-ethylpropyl)-2,6-dinitro-3,4- (*see* Pendimethalin)

Yemen Arab Republic 3582
Yugoslavia
flora 1141
weed control 1142
legislation 1261

Zaire
flora 1
weed control
economics 1
review 1
Zimbabwe, weed control, review 3436

SPECIES INDEX

Abelmoschus esculentus 3522
A. esculentus **(okra)** 1067, 2196, 2329, 3522, 3728
Abies alba **(European silver fir)** 2830
A. magnifica **(California red fir)** 1813
A. nordmanniana **(Caucasian fir)** 2829, 2831
A. procera **(noble fir)** 776
A. sachalinensis **(Saghalien fir)** 3876
Abutilon indicum 3999
A. theophrasti 230, 254, 908, 1477, 2426, 2620
biology, physiology 906
control
biological
fungus 2196
insect 3968
chemical 2597
acifluorfen 2751, 2752
alachlor 1291
atrazine 1291, 3762
benazolin 2752
bentazone 1619, 2751, 2752
butylate 1291, 3762
chloramben 1634, 2751
chlorsulfuron 3336
cyanazine 1291, 3762
2,4-D 2745, 2748
2,4-DB 2751
EPTC 3762
glyphosate 2745, 2748, 3798
linuron 2751
metribuzin 1291, 1634, 2751
naptalam 2751
oryzalin 1029
pendimethalin 3762
trifluralin 1029
herbicide use
growth stage 4010
physiology 890, 906, 4010, 4019, 4023
residual effects 1664
minimum tillage 1292, 2363, 3471
ecology
allelopathy 836, 1634, 2537, 2538
competition 831, 1430, 1434, 1634, 1773, 3918
distribution 1785
spread 1785
seeds
depth of burial 1755
germination 836, 1104, 1755, 2482
inhibitors 1394, 3279
stimulants 3998
longevity 1104
production 1755, 2142
soil 1755, 2482
survey 1755
Acacia 844, 3464, 3967
A. confusa 1779
A. dealbata 2838, 3592, 3878
A. deanei 2417
A. farnesiana 63, 3880, 3882
A. harpophylla 2845
A. longifolia 2178
A. longifolia **var.** ***sophorae*** 2489
A. nilotica 222, 1836, 3967
A. nilotica **ssp.** ***indica*** 2554
A. rigidula 153, 3155
A. tortuosa 153, 3155
Acanthospermum 846
A. hispidum 839, 2912, 3107
Acer 3824
A. campestris 2835
A. negundo **var.** ***interius*** **(Manitoba maple)** 143, 144
A. pseudoplatanus 2994
A. pseudoplatanus **(sycamore)** 2830, 3282
A. saccharinum **(silver maple)** 2834
Achillea millefolium 488, 812, 3547, 3909
Achras zapota **(sapodilla)** 3728
Achyranthes japonica 2891
Acorus 790
Acroceras macrum 134, 1779
Actinidia chinensis **(Chinese gooseberry, kiwifruit)** 2816
Adenostoma fasciculatum 1188
Aegilops cylindrica 3897
Aerva lanata 584
Aeschynomene 3765
Aeschynomene *contd.*
A. virginica 1311, 3974, 3982, 3985
Aethusa cynapium 2931, 3264
Agave sisalana **(sisal)** 140
Ageratum conyzoides 49, 568, 1706, 1818, 1822, 2794, 2908, 3265, 3585
Agropyron cristatum **(fairway crested wheatgrass)** 2780
A. desertorum **(crested wheatgrass)** 1650
A. intermedium **(intermediate wheatgrass)** 1650
A. repens
biology
anatomy 590
genetics 1459
morphology 590, 1459, 2508
physiology 2166, 2598
review 542
rhizome 1782, 2166
taxonomy 547
control 630, 2066
chemical 393, 1274, 1666, 2075, 2765, 3085, 3465, 3784, 3786, 3797, 4107
alloxydim 24, 400, 402, 702, 1038, 1593, 1599, 2420, 2808, 3368, 3483, 3733, 3734, 3735, 3736, 3856, 3868
aminotriazole 410
atrazine 4099
carbetamide 3147
chlormequat 2598
dalapon 2129
difenopenten 687, 1030
EPTC 1617, 1655
fluazifop 995, 2338, 2420, 3089, 3733, 3734, 3735, 3783, 3856
glyphosate 175, 404, 405, 672, 673, 703, 1002, 1091, 1271, 1593, 1655, 1691, 1975, 2072, 2335, 2695, 2792, 3003, 3368, 3645
hexazinone 703, 768, 2792
linuron 3434, 3802
maleic hydrazide 3368
metolachlor 3802
metribuzin 3802
oxadiazon 3147
oxyfluorfen 2807
paraquat 1655, 2072, 3868, 4099
propyzamide 703, 1691, 2807
simazine 4099
TCA 734, 1593, 2058, 2129
trifopsime 3727, 3797
cultural
mechanical
cultivation 46, 2691
harrowing 1617, 2129
ploughing 1617
herbicide use
growth stage 1274, 3736, 3784
physiology 702, 1091, 1746, 1909, 1910, 3003
residual effects 410
resistance 3003
spray retention 3732
management
cutting 2166
rotation 528, 2335
minimum tillage 843, 3750
ecology 576
allelopathy 564, 1443, 1696, 1781, 1782
associations 3579
biotype 1091
climate 590, 2911
competition 1782, 1783, 2166, 2167, 3221, 3222
distribution 671, 1783, 1785, 1786, 1791, 3234
ecotype 590, 1459
habitat 1459
review 542
soil 564, 1459
spread 572, 671
pathology
diseases 1443
pests 1091, 1271
seeds, contamination 3544
A. smithii **(western wheatgrass)** 3926
Agrostemma githago 1502, 3229, 3534, 3893
Agrostis 739, 3302
Agrostis **(bent)** 3842
A. canina 1756
A. gigantea 542, 547, 572
A. gigantea **(black bent, redtop)** 1085
A. stolonifera 542, 547, 1453, 3147
A. stolonifera **(creeping bent)** 104, 507
A. tenuis 1756, 3873
A. tenuis **(common or colonial bent, browntop)** 111, 2103, 3450
Ailanthus altissima 2465
Albizia lophantha 2178
Alcea rosea **(hollyhock)** 2196
Alchemilla arvensis 3146
Alectra 593, 594
A. vogelii 2935, 3262
Algae 646, 3633, 4089
bioassay 1249, 1250
biology
cytology 2576
physiology 2576
taxonomy 2883
control 3478
biological, herbivorous fish 523, 1086, 2852
chemical 275, 304, 1727
cyanatryn 2847
diuron 1084
endothal 3515
hexazinone 785
nitrofen 2616
terbutryne 2847, 3036
cultural, mechanical 304
herbicide use 886, 3325
physiology 1526, 2311, 2622, 3316, 3649, 4013
management, flooding 582
non-crop situations, waterways 304
ecology 3562
allelopathy 2576
associations 1136
climate 182, 1727
colonization 3185
distribution 1272
eutrophication 182, 1727
pots 3166
succession 1136
Alisma canaliculatum 2894
A. plantago-aquatica 2894
A. triviale 830, 2902
Allium 3481
A. ascalonicum **(shallot)** 373, 3162
A. canadense 770
A. cepa **(onion)**
bioassay 1494
herbicide use and
damage 2087, 2419, 2423, 3735
germination 3636
physiology 612, 2228, 2237, 4015
residual effects 3731
residues 641, 2263, 2625
sensitivity 1514, 3005
spray retention 1514
yield 493, 2088, 2423
weed control in 996
chemical 2329, 3465
acetochlor 1665
alachlor 73, 1665
alloxydim 2420, 3162, 3736
aziprotryne 73
bentazone 2793, 3162
bifenox 3470
bromoxynil 70
butralin 72
chlorbufam 492, 2423, 3161
chloridazon 68, 492, 2423
chlorpropham 72, 752, 2423
chlorthal 70, 72, 73, 86, 492, 755, 1345, 2089, 2420, 2421, 2422, 2423
diclofop 755, 1665, 2422, 2424, 2425, 3162
difenoxuron 2422, 2424
dinitramine 73
ethalfluralin 1665
ethofumesate 68, 1665, 2422, 2424, 2425, 3162
fluazifop 1663, 2420
fluchloralin 493
ioxynil 70, 72, 2420

***Allium cepa* (onion)** *contd.*
weed control in *contd.*
chemical *contd.*
linuron 70, 492, 1596, 2421, 2422, 2424, 2425
methabenzthiazuron 70, 73, 1345, 2421, 3161, 3473
methazole 70, 492, 2420, 2421, 2422, 2424, 2425, 3161
metobromuron 2424
metolachlor 1665, 2424, 2425
nitralin 2089
nitrofen 72, 492, 755
oxadiazon 2089
oxyfluorfen 494, 2090, 3163
paraquat 1345
pendimethalin 68, 86, 492, 755, 1665
propachlor 72, 73, 492, 755, 1596, 2088, 2420, 2422, 2423, 2424, 2425, 3161, 3162
trifluralin 1665
trifopsime 3727
cultural 3163
weeds, and 1345, 2919
competition 210, 2532
hosts of plant pests 1160
parasitic 86, 597
yield loss 210, 2532
A. oleraceum 370
***A. porrum* (leek)** 68, 996, 1663, 2426, 2625, 2795, 3470, 3833
***A. sativum* (garlic)** 70, 494, 756, 2794, 3162, 3474
A. vineale 2130, 3095, 3746
Alnus crispa* var. *mollis 3931
A. glutinosa 1391
***A. glutinosa* (alder)** 1814
A. rubra 1722
***A. rubra* (red alder)** 310
A. rugosa 521
Alopecurus 1777, 2151, 3165, 3473
***A. arundinaceus* (creeping foxtail)** 3453
A. bulbosus 2151
A. geniculatus 10
A. myosuroides 575
biology
genotype 2151
morphology 2508
physiology 2152
taxonomy 547, 2152
control
chemical 705, 706, 738, 2351, 3005
acifluorfen 3375
alachlor 2400
alloxydim 753, 2022, 2037, 2409
asulam 68
atrazine 2722
bentazone 2022, 2071, 2722, 3375, 3383, 3434
bromofenoxim 423, 3729
bromoxynil 1998
butam 2400
butralin 1996, 3375
carbetamide 3147
chlortoluron 525, 1277, 1942, 1996, 1997, 3375, 3376, 3377, 3378
clofop 1277
diclofop 415, 1277, 2409
diethatyl 3434
dinoseb 1997
dinoterb 1997, 3376, 3378
dipropetryn 1996
ethofumesate 2071
flamprop-isopropyl 425
flamprop-methyl 425, 1277
fluazifop 2037, 2338, 2409, 3834
ioxynil 1998, 1999, 3378
isoproturon 417, 418, 423, 1277, 1942, 1996, 1997, 1998, 1999, 2708, 3376, 3378, 3729
lenacil 68
linuron 413, 1942, 2037, 2048, 2708, 2742, 3434
mecoprop 1998, 1999, 3375, 3378
metazachlor 3146
methabenzthiazuron 413, 1997, 1999, 2356, 3151, 3378
metoxuron 423, 1999, 2356, 3377, 3378
oxadiazon 3147
pendimethalin 423, 710, 1942, 1996, 3375

Alopecurus myosuroides *contd.*
control *contd.*
chemical *contd.*
review 421
simazine 423, 3383
TCA 3151
terbuthylazine 423, 3729
terbutryne 413, 1277, 2343
tri-allate 413, 2343
trifluralin 413, 1942, 2708, 2742
cultural
mechanical
cultivation 3580
ploughing 3580
economics 972, 3744
herbicide use 3302
growth stage 418, 425
physiology 620, 2152, 2995
minimum tillage 3580
ecology
associations 3579
competition 827
distribution 631
pathology, diseases 3751
seeds
climate 536
contamination 3446, 3544
germination 536
Aloysia 1652
A. lycioides 62, 63, 153
Alternanthera philoxeroides 1481, 1823, 1837, 1838, 3552
A. repens 2543
A. sessilis 1460, 3061
Amaranthaceae 821
Amaranthus 1762, 2984
biology
physiology 2861
taxonomy 550, 1419
control 3852
biological, insect 3970
chemical 3139
acifluorfen 3415
alachlor 3164
aminotriazole 3489
atrazine 2724
bentazone 1619, 3415, 3778
chlorthal 3164
diuron 3489
EPTC 2396
ethalfluralin 1064
fluazifop 3778
linuron 2426, 3472
pendimethalin 2426, 2724
profluralin 3164
pyridate 2723, 2724
simazine 3489
trifluralin 3164
cultural
mechanical, rotary cultivation 3947
mulching 3947
herbicide use
physiology 619
resistance 843, 2861, 3286
minimum tillage 2363, 3947
ecology 550
associations 3939
competition 3164, 3569
distribution 578, 1272, 1419, 1591, 1785, 3947
seeds
depth of burial 2139
germination 2139
utilization 3720
A. albus 1682, 3454, 4006
A. blitoides 2481, 2867, 2884
A. caudatus 1762
A. chlorostachys 2139
A. cruentus 2867, 2884, 3286
A. dubius 3939
A. graecizans 50, 2717
A. hybridus 1121, 1608, 1662, 1668, 1905, 2091, 2317, 2867, 2884, 3295, 3947
A. lividus 2111, 2864, 2911
A. mangostans 1672
A. palmeri 95, 181
A. powellii 2685, 3947, 4019
A. retroflexus 2054
biology
anatomy 2560
genotype 1147
physiology 2560
taxonomy 2884

Amaranthus retroflexus *contd.*
control
biological, insect 2943
chemical 2597
acifluorfen 1031
alachlor 176, 1043
atrazine 176, 2722
bentazone 2722
bromoxynil 6
chloramben 50, 1043
chlorbromuron 176
chlorsulfuron 1006, 3336
cycloate 39
desmedipham 3226
EPTC 176, 360, 746, 2761, 2764
ethalfluralin 176, 1043, 3841
ethofumesate 39, 2241
fenteracol 176
fluchloralin 2395
glyphosate 2814, 3798
linuron 176
MCPA 1287
metolachlor 176, 1043
oryzalin 50, 176, 1043
oxyfluorfen 2090
paraquat 1043
pendimethalin 746, 1043
profluralin 746
prometryne 2395
propachlor 176
propanil 1287
pyridate 2366, 2725
cultural
electrical 1980
mechanical 2761
rotary cultivation 3947
mulching 92, 3947
herbicide use
growth stage 2241, 2725
physiology 1471, 2241, 3288, 3298, 3800, 4021
resistance 841, 1147, 1471, 2725, 4021
management, row spacing 92
minimum tillage 3947
ecology
allelopathy 2537, 2538
biotype 1471
competition 92, 833, 1673, 1776, 3226
distribution 1345, 1791, 3235, 3947
spread 3235
pathology
diseases 1155
pests 1479
seeds
climate 1752, 2137, 2138
depth of burial 2139
dormancy 2137, 2867
germination 1104, 2139, 2867, 4006
inhibitors 3279
stimulants 1752, 2137, 2138
longevity 1104
soil 2137
A. spinosus 135, 599, 607, 609, 1121, 2907, 3999
A. tricolor 1762
***A. tricolor* (Chinese amaranth)** 3160
A. viridis 674, 3230, 3939
Ambrosia 2620, 3610, 3972
A. artemisiifolia 82, 578, 836, 901, 956, 1161, 1163, 1442, 1633, 1791, 2482, 2537, 2814, 2940, 3298, 3466, 3754, 3887
A. elatior 2159
A. tenuifolia 3577
A. trifida 1163, 1785, 1980
Ammi majus 2910, 3146
Ampelamus albidus 1104, 1297, 1298, 2140, 3200, 3535
Ampelopsis arborea 1158
Amsinckia 2360, 3368
A. intermedia 1154
Anabaena azollae 3281
Anagallis arvensis 1643, 3244, 3302
***Ananas comosus* (pineapple)** 136, 3173, 3502, 3728
Anastatica hierochuntica 2910
Anchusa arvensis 1273, 1593
Andropogon gerardii 1408
A. virginicus 1045
***Anemarrhena asphodeloides* (anemarrhena)** 2456
***Anemone* (anemone)** 502, 3479
***Anethum graveolens* (dill)** 68, 96, 1678

Anisochilus eriocephalus 1113
Anoda cristata 1164, 1638, 1839, 2196, 2662
Anthemis 2880
A. arvensis 3235
A. austriaca 1444
A. cotula 183
A. nobilis 2776
Anthoxanthum odoratum 3459
Anthriscus caucalis 3264
A. sylvestris 3264, 3446
Apera spica-venti 7, 10, 175, 422, 423, 547, 838, 1599
biology, morphology 2508
control
chemical
acifluorfen 3375
alachlor 2400
bentazone 3375
bromoxynil 3739
butam 2400
butralin 3375
chlorsulfuron 1996
chlortoluron 1996, 3375, 3376
dinoterb 3376
ioxynil 3739
isoproturon 3376, 3729, 3739
mecoprop 3375
pendimethalin 3375, 3729
economics 972
herbicide use, physiology 4011
ecology
competition 1612
distribution 3234, 3235
spread 1790, 3235
pathology, diseases 3751
Aphanes arvensis 1131, 1132, 1406, 1997, 1998, 3377
Apios americana 119, 3858
***Apium graveolens* var. *dulce* (celery)** 1160, 2625
***A. graveolens* var. *rapaceum* (celeriac)** 2625
A. inundatum 3264
A. nodiflorum 1461, 3264
Apocynum cannabinum 1104, 1297, 1298, 1387, 1976
Arabidopsis thaliana 1157, 1184, 1406
***Arachis hypogaea* (groundnut)**
herbicide use and
damage 38
diseases 2035
maturation 4085
physiology 1496, 4085
quality 1638
residual effects 1991, 1992
residues 1922, 1926, 3428
sensitivity 1245
yield 729, 2033
weed control in
chemical 27, 2033, 2326, 3427
alachlor 454, 729, 1326, 1327, 2034, 2758
ametryne 456, 3124
benfluralin 2034, 2758
bentazone 38, 454, 729, 1034, 1638
2,4-D 1638, 2330
2,4-DB 4
dinoseb 4, 1326, 1638, 2034, 2758
diphenamid 2757, 2758
dipropetryn 456, 3124
diuron 3432
DSMA 3428
ethalfluralin 1326
fluchloralin 1327
fluorodifen 455
linuron 38, 455
metobromuron 1034
metolachlor 38, 455, 456, 729, 1034, 2758, 3124, 3432
MSMA 3428
NAA 2330
naptalam 1326, 2034, 2758
nitrofen 454, 1327, 1991, 3426
pendimethalin 38, 3124
prometryne 455, 456, 3124
terbutryne 38, 455, 456, 729
trifluralin 3124
vernolate 2034, 2758, 3124
cultural 1, 1327, 3426, 3427
minimum tillage 454
weeds, and 1
competition 1991, 2033, 2903
***Arachis hypogaea* (groundnut)** *contd.*
weeds, and *contd.*
hosts of plant diseases 1822
parasitic 858, 2323
yield loss 2033, 2903
Arceuthobium 865, 3601, 3602
A. abietinum 1813
A. americanum 2122
A. pusillum 863, 1812
A. vaginatum* ssp. *cryptopodum 1148, 1410
Arctium lappa 183
A. minus 183
Arctostaphylos 1722, 3881
Arctotheca calendula 2382, 3242
Arenaria serpyllifolia 3167
Argemone mexicana 498, 2985
Aristida 851
A. dichotoma 178
A. oligantha 178
A. vagans 1409
Arrhenatherum bulbosum 2807
A. elatius 2479
A. elatius* var. *bulbosum 543, 547
Artemisia 1777, 3940
A. absinthium 2566
A. filifolia 3826
A. frigida 1058, 2868
A. princeps 2534, 3230
A. tridentata 198, 482, 1420, 2076, 3611
A. tripartita 1420
A. vulgaris 2449, 3574, 3865
***Artemisia* (wormwood)** 504
Arthraxon hispidus 2891
Arundinella bengalensis 2454
Asclepias 1469, 2958
A. speciosa 1469
A. syriaca 798, 799, 1104, 1298, 1976, 2131, 2748, 2957, 3612, 3888, 3935
***Asparagus officinalis* (asparagus)** 68, 69, 71, 754, 996, 1060, 2317, 2792, 3472, 3727
Aster subspicatus 3857
A. umbellatus 2120
Astercantha longifolia 1822
Astragalus atropubescens 803
A. boeticus 3220
***A. cicer* (cicer milkvetch)** 1595
A. lentiginosus 537, 3526
Astrantia major 548
Atriplex 68, 221, 1799
A. hastata 2479
A. tatarica 3970
Aureolaria pedicularia 1151
Austrocylindropuntia 2197
Avena 2984
biology 1096
taxonomy 547, 1110
control
chemical 389, 393, 1385, 2389
alloxydim 753
ametridione 1597
barban 12, 13, 426, 1597, 2767, 3098
benzoylprop 406, 426, 675, 1284, 2767
chlorfenprop 12
chlorsulfuron 1597
clofop 2356
dalapon 1039
desmedipham 1039
diclofop 13, 415, 426, 1039, 1275, 1284, 1597, 2675, 2706, 3098
difenopenten 1039
difenzoquat 13, 426, 1284, 1597, 2706, 3098, 3151
ethofumesate 1039, 3151
flamprop 3098
flamprop-isopropyl 426, 675, 1597, 3055, 3151, 3385
flamprop-methyl 426, 675, 2706, 3088
fluazifop 2767, 3090
isoproturon 2701
linuron 413, 2701
MCPA 3385
metazachlor 3146
methabenzthiazuron 413, 2356
metoxuron 2356
neburon 2701
TCA 406, 3151
terbutryne 413
tri-allate 12, 13, 406, 413, 1284
trifluralin 406, 413, 2701
Avena *contd.*
control *contd.*
cultural 12, 406
mechanical
cultivation 406
ploughing 406
integrated control 389
management
cropping 406, 1746
fallowing 406
rotation 406
seedbed preparation 406
ecology
associations 3579
biotype 1110
climate 406
competition 406, 2342, 3088
distribution 1141, 1463, 2342
review 1135
soil 406
spread 1141, 1451
utilization 1266
A. barbata 1110, 1141
A. fatua
biology
anatomy 3599, 3951
evolution 3911
genetics 3627
life cycle 573, 693, 3529
morphology 1140, 2508
phenotype 3911
physiology 1397, 1749, 2157, 2323, 3530, 3599
taxonomy 1110
control 1142
chemical 412, 526, 706, 796, 1593, 2086, 3005
alloxydim 24, 402, 702, 1598, 2040, 3734, 3810
asulam 2989
barban 69, 1089, 1283, 1574, 1601, 1603, 1650, 2989, 4097
benzoylprop 1008, 1581, 1598, 1601, 1603, 3810
bromoxynil 1286, 1601
butralin 470
carbetamide 3147
chlortoluron 2340, 3390
2,4-D 1601
dicamba 1008, 1601
diclofop 24, 735, 1275, 1281, 1286, 1574, 1576, 1598, 1601, 1603, 1650, 1972, 2051, 2352, 2358, 2399, 2989, 3384, 3433, 3624, 3625, 4097
difenzoquat 420, 1008, 1089, 1283, 1462, 1574, 1598, 1601, 1603, 1650, 2989, 3384, 3703, 4097
diquat 2382
flamprop 2989
flamprop-isopropyl 175
flamprop-methyl 1089, 1601, 1603, 1650
fluazifop 2040, 2338, 2382, 3734, 3810
glyphosate 1573
hexazinone 3093
isoproturon 2358, 3372
linuron 1089, 2683
MCPA 175, 1008, 1089, 1601
mecoprop 175, 1601
metamitron 2040
methabenzthiazuron 1007, 2358
metoxuron 2358
metribuzin 3390, 3412
molinate 3372
napropamide 3412
nitrofen 2358
oxadiazon 3147
oxyfluorfen 1281
paraquat 2382
pendimethalin 2683
phenmedipham 2040
simazine 2382
TCA 175
terbutryne 1007, 2358
tri-allate 175, 363, 1286, 1603, 2340, 2358
trifluralin 3442
trifop 2051
trifopsime 3727
cultural 1011
burning 223

Avena fatua contd.
control contd.
cultural contd.
electrical 1577, 1980
manual 1007
mechanical
cultivation 1131, 3242, 3580
ploughing 3580
economics 1011, 1116
herbicide use 1972
growth stage 3291
physiology 620, 888, 1186, 1191, 1523, 2983, 2989, 2995, 3291, 3624, 3625, 3995
residual effects 2294
management
cropping 223
rotation 223
minimum tillage 3580
review 2086
ecology 573
allelopathy 1117, 3278
associations 1115, 1140
biotype 1110
climate 2519, 3529
competition 223, 832, 1115, 1116, 1117, 1135, 2162, 2915, 3561, 3917
distribution 671, 693, 796, 1135, 1141, 1142, 1464, 1787, 1797, 2157
ecotype 2519
nutrient removal 3917
population decrease 796
soil 1140, 1797
spread 671, 1141, 1142
seeds 2466, 3599, 3951
climate 806, 1395, 1749, 2519, 3527, 3529, 3532
contamination 3544
depth of burial 573
dissemination 223
dormancy 223, 248, 573, 806, 1395, 1396, 1397, 1748, 1749, 2483, 2519, 3278, 3529, 3530, 3531, 3532, 3627, 3893
germination 806, 1117, 1397, 1462, 1748
inhibitors 2483, 3278, 3627
stimulants 248, 2483, 3531, 3627, 3893
longevity 3527
production 223, 573, 693
soil 573, 806, 1140, 1395, 2483
viability 1395, 3529
***A. fatua* × *Avena sativa* (dormoat)** 1585
A. ludoviciana 22, 756, 1135, 1141, 2326, 2343, 2347, 2357, 2683, 2709, 2714, 3159, 3544
A. sativa 1601
***A. sativa* (oat)** 1266
bioassay 960, 1029, 1240, 1559, 2261, 4031
herbicide use and 3642
application 1573
damage 1012, 1986, 2002
germination 2597
growth stage 1995, 2692
maturation 1783
pests 951
physiology 249, 606, 906, 1186, 1886, 2996, 3623, 3995, 3996, 4028
residual effects 480, 1012, 1990, 3731
residues 1012, 3031, 3310, 3329
sensitivity 394, 1186, 1886, 2692, 3005, 3739, 3996
varietal susceptibility 409, 704, 906, 1003, 2693, 2694
weed control in
biological 3968
chemical 2325, 2328
alachlor 1027
atrazine 1027
bromofenoxim 411, 3743
bromoxynil 411
chlorsulfuron 3369
cyanazine 1027
2,4-D 249, 394
dicamba 752, 2684
dichlorprop 411
diclofop 700, 3366
ioxynil 411
MCPA 411
MCPB 752
mecoprop 411
Avena sativa (oat) contd.
weed control in contd.
chemical contd.
methabenzthiazuron 1996
metribuzin 1027
neburon 1996
oryzalin 1027
paraquat 1027
propachlor 1027
propanil 1027
simazine 2326
terbuthylazine 411, 3743
minimum tillage 3737
recommendations 392
weeds, and 3935
allelopathy 2984
yield loss 3560
A. sterilis 214, 1266, 1463, 2476, 2696, 3220, 3544
A. sterilis* ssp. *ludoviciana 1109, 1110
A. sterilis* ssp. *macrocarpa 1109, 1110
A. sterilis* ssp. *sterilis 2527, 2541
Axonopus 216
A. affinis 491
A. compressus 3866
***A. compressus* (tropical carpetgrass)** 2811
Azolla 1267, 2135, 2979
A. caroliniana 2959
A. filiculoides 156, 2621
A. imbricata 1984
A. mexicana 3281
Baccharis 1652
B. halimifolia 237, 1158, 2462, 2552, 2960
B. sarothroides 221
Bacopa caroliniana 1458
Ballota 2945
Balsamorhiza sagittata 4124
***Bambusa* (bamboo)** 889
Barbarea 619
B. vulgaris 1786
Batrachium rionii 1087
Bauhinia purpurea 1779
***Berberis mentorensis* (Mentor barberry)** 99
B. trifoliolata 153
***B. verruculosa* (warty barberry)** 99
Berteroa incana 1442
Beta maritima 41
B. vulgaris 41, 3241, 4098
***B. vulgaris* (beet)** 1820, 3970
***B. vulgaris* (fodder beet)** 391, 392, 400, 464, 480, 733, 2038, 2039, 2685, 3368, 3446, 3794
***B. vulgaris* (garden, red beet)**
herbicide use and
economics 759
quality 757
residues 3031, 3329
weed control in 996
chemical
alloxydim 3736
chloridazon 495, 757
dalapon 757
dimethachlor 3469
glyphosate 2335
lenacil 495
metamitron 757, 3465
metolachlor 757, 3469
phenmedipham 495
TCA 495
integrated 2335
weeds, and 1140
***B. vulgaris* var. *cicla* (Swiss chard)** 1160
B. vulgaris* var. *saccharifera 197, 2671, 3066, 3069, 3241
***B. vulgaris* var. *saccharifera* (sugar-beet)**
herbicide use and
application 1036, 2764, 3129, 3671, 3798, 4105
damage 463, 2764, 3430, 3797
diseases 1269
drift 3800
growth stage 2241
pests 43, 1963
physiology 462, 1880, 2241, 3288, 3289, 3298, 3800
residual effects 2007, 2324, 3042, 3731
residues 732, 928, 1217, 3336
sensitivity 394, 3298, 3430
spray retention 3129
sugar 462, 2389, 3800
varietal susceptibility 462
yield 462, 1035, 1641, 1642, 3129
weed control in 996, 3744
***Beta vulgaris* var. *saccharifera* (sugar-beet)** contd.
weed control in contd.
chemical 461, 1520, 1596, 2759, 3086, 3130, 3365, 3794, 4098
alloxydim 400, 402, 731, 1038, 1328, 1598, 2040, 3368, 3733, 3734, 3736
benzthiazuron 731, 2389
chloridazon 42, 44, 457, 459, 460, 731, 1035, 1037, 1038, 1329, 1641, 1642, 2040, 2389, 2760
chlorpropham 3430
cycloate 39, 458, 459, 731, 1037, 2760, 2762
2,4-D 40, 394
dalapon 44, 458, 1039, 1641
desmedipham 39, 457, 1039, 1639, 3226
diclofop 731, 1037, 1039, 1275, 1598, 1639
diethatyl 1037, 2040
difenopenten 1039, 1639
endothal 1037
EPTC 40, 42, 458, 461, 462, 2761, 2764
ethofumesate 39, 457, 460, 731, 1037, 1038, 1039, 1328, 1639, 2040, 2389, 2390, 2761, 3127, 3131, 3795
fenuron 3430
fluazifop 999, 2040, 2338, 3733, 3734
glyphosate 364, 3732, 3798, 3799
isocarbamid 459, 1642, 2389
lenacil 44, 458, 459, 461, 731, 1035, 1640, 1642, 2389, 2760
metamitron 460, 731, 1035, 1036, 1038, 1642, 2040, 2041, 2389, 2760, 3049, 3125, 3126, 3128, 3430, 3795
metolachlor 457, 459, 731
paraquat 1641
pebulate 1640
phenmedipham 39, 40, 44, 457, 458, 460, 461, 462, 731, 1035, 1036, 1038, 1328, 1329, 1639, 1640, 1641, 1642, 2040, 2041, 2390, 2760, 3125, 3126, 3127, 3128, 3429, 3430, 3795, 3799
propham 3430
propyzamide 3131
TCA 458, 461, 462, 731
trifopsime 3797
cultural 42, 461, 1980, 2390, 2671, 2759, 2761, 4098
economics 2390, 3796
integrated 42, 461, 2761
minimum tillage 730
recommendations 392, 461, 2390
review 41, 391, 969, 2759
weeds, and 843, 1797, 3234, 3235, 3241, 3578, 3895
competition 833, 2159, 2389
yield loss 206, 833, 2389
Betula 118, 151, 1374, 1713, 1718, 1756, 1928, 2121
***B. alleghaniensis* (yellow birch)** 1379
***Betula* (birch)** 149, 1781
B. costata 150
B. mandshurica 150
B. pendula 1391
B. pubescens 1908, 3512, 3871
B. verrucosa 3871
Bidens pilosa 2794, 3228, 3244, 3520, 3536, 3569, 3702
B. tripartita 2366
Bifora radians 1115
Bignonia unguis 3437
Blyxa aubertii 842, 2375
B. japonica 842
Boerhavia erecta 2743, 3757, 3763
Boreava orientalis 2345, 2346, 3893
Borreria 1369
B. alata 49
B. hispida 2454
B. laevis 3943
Boschniakia hookeri 1474, 2186
***Bothriochloa insculpta* (creeping bluegrass)** 1047
***Bouteloua curtipendula* (side-oats grama)** 851, 3156
***B. gracilis* (blue grama)** 3925, 3926

Brachiaria 839
B. deflexa 2717
B. extensa 1335
B. mutica 1591, 1701, 2175
B. plantaginea 2091, 3228
B. platyphylla 1311, 2758, 2903, 3139, 3420, 3781
B. ramosa 869
B. subquadriparia 1335, 3943
Brachyelytrum erectum 2120
Brachystegia boehmii 1723, 1724, 2123, 2124, 2125
B. spiciformis 1723, 1724, 2123, 2124, 2125
Brassica 1608
B. alboglabra **(brassica)** 3160
Brassica **(brassicas)** 380, 3299
B. campestris 1156, 1513, 1668, 1768, 3283, 3643
B. campestris **ssp.** ***chinensis*** **(Chinese white cabbage)** 3160
B. campestris **(turnip)** 1160, 1202, 2070, 3283, 3930, 4031
B. campestris **(turnip rape)** 2191, 2192
B. campestris **var.** ***oleifera*** **(oilseed turnip rape)** 74, 702, 2049, 3440, 3441, 3643, 3733, 3734, 3809, 3811
B. caulorapa **(kohlrabi)** 68, 69, 1061
B. elongata 1798
B. geniculata 1156
B. juncea **(Indian, brown or leaf mustard)** 203, 606, 2688, 2907, 2985
B. kaber 1287
B. kaber **var.** ***pinnatifida*** 890
Brassica **(mustard)** 3440
B. napobrassica **(rutabaga)** 1645
B. napocampestris **(swede turnip)** 3431
B. napus 24, 81
B. napus **(rape)** 1573, 1797
B. napus **(swede)** 470, 1589, 2070, 3446, 3465
B. napus **var.** ***oleifera*** 1601, 1747, 3482, 4105
B. napus **var.** ***oleifera*** **(oilseed rape)** 74, 400, 402, 738, 2338
bioassay 3704
herbicide use and
breeding for resistance 1513
damage 1986, 3704
germination 2772
growth stage 2070
pests 1963
residual effects 3731
residues 1532
sensitivity 741, 1904, 2070
varietal susceptibility 741
yield 1646, 3811
weed control in
chemical 1597
alachlor 2400
alloxydim 3733, 3734, 3736, 3810
atrazine 1942
aziprotryne 740
benazolin 3810, 3811
benzoylprop 3810
butam 2400
chlomethoxynil 3811
desmetryne 3811
dicamba 2684
dimefuron 1646
dimethachlor 1646, 3809
dinitramine 1595
ethalfluralin 1595
fluazifop 999, 3733, 3734, 3810
glyphosate 3732
metazachlor 3146, 3811
napropamide 740, 1942
propyzamide 740, 1646
TCA 740, 1646
trifluralin 740, 1595, 1646
weeds, and 2147, 3235
competition 3098
hosts of plant diseases 2191, 2192
B. nigra 1156, 2398
B. nigra **(black mustard)** 3728
B. oleracea **(brassicas)** 3968, 3970
B. oleracea **var.** ***acephala*** **(marrow-stem kale, borecole)** 74, 2070, 3446, 3735
B. oleracea **var.** ***botrytis*** **(cauliflower)**
herbicide use and, sensitivity 3466
weed control in
chemical 3839
alachlor 75, 78, 1346, 2797
Brassica oleracea **var.** ***botrytis*** **(cauliflower)** *contd.*
weed control in *contd.*
chemical *contd.*
alloxydim 2420
butam 1346, 2797
chlorthal 78
dimethachlor 68
fluazifop 2420
metazachlor 1061
napropamide 75, 78
pendimethalin 497, 1346
propachlor 78, 497, 1061, 1346
simazine 497, 2797
trifluralin 78, 497, 1346, 2797
B. oleracea **var.** ***capitata*** **(cabbage)**
bioassay 3677
herbicide use and
application 2316
breeding for resistance 74
damage 1986, 2419
residual effects 752, 2418, 3731
residues 2263, 2625
sensitivity 3466
yield 1667
weed control in
chemical 2329, 3465, 3839
alachlor 75, 76, 77
alloxydim 68
atrazine 1667
aziprotryne 496, 2420
barban 69
bensulide 76
bifenox 3470
chlorthal 1663
desmetryne 496, 1667
diclofop 68
difenopenten 77
dimethachlor 3469
metazachlor 1663
methazole 2420
metolachlor 77, 1662, 3469
napropamide 75, 77
nitrofen 76, 77
pendimethalin 77, 470
propachlor 496, 752, 2420
trifluralin 76, 77, 752
weeds, and
competition 210
hosts of plant diseases 1156
parasitic 1150
yield loss 210
B. oleracea **var.** ***fruticosa*** **(collard)** 2194
B. oleracea **var.** ***gemmifera*** **(brussels sprout)** 2338, 2420
B. oleracea **var.** ***italica*** **(broccoli)** 75, 1589, 1662, 3431, 3466
B. pekinensis **(Chinese celery cabbage)** 1777
B. rapa 3968
Bromus 536, 571, 3151
B. arvensis 235
B. biebersteinii **(regar brome)** 3453
Bromus **(brome)** 2780, 3151
B. catharticus 3390
B. diandrus 2157, 2381
B. grossus 3575
B. inermis 1656
B. inermis **(smooth brome)** 1650, 3814
B. japonicus 1750
B. mollis 1653, 1654, 2504, 3446
B. rigidus 2504
B. rubens 2107
B. secalinus 1280
B. sterilis 412, 416, 419, 527, 535, 547, 577, 706, 2607, 3579, 3581
B. tectorum 209, 585, 746, 1050, 1143, 1280, 2107, 2153, 2346, 2782, 2885, 3263, 3738, 3745, 3924
B. unioloides 2504
Buchloe dactyloides **(buffalograss)** 851, 1055
Buglossoides arvensis 2360
Bupleurum tenuissimum 3264
Buxus microphylla **(boxwood)** 2437, 2438
B. sempervirens **(common boxwood)** 764
Cabomba caroliniana 231
Caesalpinia decapetala 3592
Cajanus cajan **(pigeon pea)** 27, 2032, 2924, 3111
Calamagrostis epigejos 3873
Calamovilfa **(sandreed)** 845
Calendula arvensis 2696
Callicarpa americana 1158
Callistemon citrinus **(callistemon)** 2435
Calluna vulgaris 217, 1756, 3154, 3202
Calopogonium caeruleum **(calopo)** 517
C. mucunoides 3585
Calotropis procera 1993
Calystegia 2199, 3134
C. sepium 238, 1297, 1298, 1682
Camellia sinensis **(tea)** 390, 700, 1074, 1075, 1369, 1705, 1706, 1707, 2117, 2329, 2453, 2454, 3366, 3865
Campanula carpatica **(bellflower)** 504
Campsis radicans 2460
Canna edulis 909
Cannabis ruderalis 3747
C. sativa 3970
Caperonia palustris 3775
Capsella bursa-pastoris 78, 3896
biology, taxonomy 3899
control
chemical 3449, 3468
acifluorfen 723
alachlor 2400
asulam 2097
aziprotryne 2420
bifenox 723
butam 2400
calcium cyanamide 68
dimethachlor 739
methazole 2420
napropamide 739
nitralin 739
oxyfluorfen 723
pendimethalin 710
propachlor 2420
propyzamide 2097
ecology
competition 3569, 3899
habitat 3899
spread 3900
pathology, pests 1479
seeds 1132
dissemination 3900
germination 3899
production 3900
soil 1406, 3900
Capsicum annuum **(red pepper, chilli)** 2427, 3467, 3476
Capsicum **(capsicums)** 70, 1674, 1817, 2419, 3843
Caragana arborescens 1781
C. arborescens **(caragana, pea-tree)** 145, 146
Cardamine 3849
C. oligosperma 2432
C. pratensis 895
Cardaria pubescens 1156
Carduus 1488, 1841, 2200, 2577, 2961
C. acanthoides 1975, 3613
C. macrocephalus 2200, 2961
C. nutans 1104, 1165, 1759
biology
flowering 3266
life cycle 2467
taxonomy 2886
control
biological
fungus 1488
insect 1488, 1842, 2201, 2574, 2943, 2962, 3266
chemical
glyphosate 3815
hexazinone 2785
recommendations 2467
ecology
distribution 2922
spread 2467, 2922
seeds 2467
production 3266
viability 3266
C. nutans **ssp.** ***nutans*** 2886, 2922
C. pycnocephalus 2467, 2922
C. tenuiflorus 2922
C. thoermeri 2961, 3266, 3613
Carex binervis 1756
C. eleocharis 3815
C. pilulifera 1756
Carica papaya **(papaya)** 2451
Carissa grandiflora **(Natal plum)** 2433
Carpinus orientalis 3513
Carthamus lanatus 2467
C. tinctorius **(safflower)** 737, 1868, 2684
Carum carvi 482, 548

Carya 1661
C. illinoensis (pecan) 515
Caryophyllaceae 3005
Cassia 859
C. didymobotrya 1160
C. mimosoides 56, 1993, 2891
C. nemophila 2417
C. obtusifolia 456, 608, 839, 1099, 1776, 2033, 2744, 2869, 3101, 3279, 3414, 3423, 3424, 3565, 3788, 3920
C. occidentalis 599, 2869
C. patellaria 3107
C. sophera 3999
C. tora 608, 1504, 3943, 3999
Cassytha 594
Caucalis latifolia 3893
C. platycarpos 3893
Cedrus atlantica (Atlantic cedar) 2829, 2831
Celtis spinosa 153
Cenchrus biflorus 839
C. ciliaris (buffel grass) 2065, 2417, 2788, 3155
C. echinatus 49, 1591
C. pauciflorus 14, 50
Centaurea 2880, 2956, 3963
C. arenaria 3962
C. depressa 2345, 2346
C. diffusa 239, 240, 1868, 2202, 2963, 3963
C. maculosa 2202, 2963, 3962, 3963
C. repens 407, 2471, 2950
C. solstitialis 2876
C. sphaerocephala 2203
Centranthus ruber 816, 1880
Centrosema pubescens (centro) 517
Cephalaria aristata 3893
C. syriaca 2341, 3893
Cerastium arvense 3850
C. holosteoides 1131
C. vulgatum 509
Ceratophyllum 1174
C. demersum 161, 544, 783, 794, 1545, 1732, 3275, 3724
Cercis 1661
Chaerophyllum temulentum 3264
Chamaebatia foliolosa 3177
Chamaecereus silvestri (cactus) 506
Chamaemelum fuscatum 2480
C. nobile (chamomile) 2058
Chamaenerion angustifolium 2964
Chamomilla recutita (chamomile) 1505, 2401
Chara 785
C. zeylanica 2379
Chenopodiaceae 2192
Chenopodium 843, 1799, 2139, 2700, 3473, 3569, 3589
C. album
biology
anatomy 1515, 2520, 3002
apical dominance 2520
flowering 1439
genotype 1147
phenotype 3948
physiology 181, 611, 1439, 1765, 2235, 2479, 2520, 2861, 3002
taxonomy 194
control
biological
insect 3970
microorganism 870
chemical 1643, 2389, 2766, 3468
acetochlor 1290
acifluorfen 723
alachlor 14, 1668, 3090, 3779
asulam 1677, 3831
atrazine 2082, 2235, 2722, 2724, 3382
bentazone 452, 1515, 1619, 2722, 3778
bifenox 723
bromofenoxim 3743
calcium cyanamide 68
carbetamide 3831
chlorsulfuron 1006, 3336
chlortoluron 51
cyanazine 1668, 3382
desmetryne 1677
dicamba 3090
difenopenten 2766
dinoseb 3152
EPTC 2042, 2391, 2396, 2724, 2761, 2764
Chenopodium album contd.
control contd.
chemical contd.
ethalfluralin 3841
ethofumesate 2241
fluazifop 3778
fluchloralin 82
glufosinate 3754
glyphosate 3732, 3798
linuron 1668, 2426, 2742, 3472, 3779
MCPA 1287
methabenzthiazuron 22, 1007, 1668
metolachlor 14, 51, 1290, 1662, 1668, 3090
metoxuron 22, 2083
metribuzin 2766
nitrofen 77
oxyfluorfen 723, 2392
pendimethalin 2426, 2724
profluralin 82
prometryne 1668
propanil 1287
propyzamide 1672, 3831
pyridate 2366, 2723, 2724, 2725, 3382
terbuthylazine 3743
terbutryne 22, 1007
trifluralin 77, 2742
climate 3002
cultural
electrical 1980
manual 1007
mechanical 2761
mulching 92
economics 2547
herbicide use 3787
growth stage 2241, 2725
physiology 1471, 1515, 2241, 2611, 3002, 3298
resistance 194, 611, 1147, 1439, 1471, 1618, 1619, 1896, 2235, 2611, 2725, 3948
management, row spacing 92
minimum tillage 3750
species shift 2105
ecology
allelopathy 2537, 2538, 3929
biotype 563, 1439, 1471
climate 1765, 2520, 2911
competition 92, 203, 563, 1439, 1673, 2160, 2547, 2897, 2915
distribution 1345
nutrient removal 2160
pathology
diseases 1155
pests 1479
seeds
depth of burial 2139, 2863
dormancy 2863
germination 194, 2139, 2479, 2863, 2864, 3895, 3896
production 188
soil 2477
viability 2477
C. bonus-henricus 184, 2488
C. murale 1643, 3582
C. pratericola 3925
C. quinoa (quinoa) 478
C. rubrum 1763, 1809, 3556
C. strictum 1439, 2139
Chlamydomonas reinhardtii 1517
Chlorella 1578
C. pyrenoidosa 1517
C. vulgaris 1578, 3324
Chloridoideae 2508
Chloris gayana 1779
C. gayana (Rhodes grass) 1047
Chondrilla juncea 873, 1167, 1489, 1793, 1843, 1845, 2107, 2574, 2578, 3268, 3269, 3609, 3889
Chromolaena odorata (see *Eupatorium odoratum*)
Chrozophora rottleri 1113
Chrysanthemoides monilifera 2661
C. monilifera ssp. *rotundata* 2489
Chrysanthemum cinerariifolium (Dalmatian pyrethrum) 1
C. segetum 183, 1132, 1273, 1406, 1593, 2480, 2481, 2703, 3220, 3368
Chrysopogon aciculatus 2907
Chrysothamnus nauseosus 815, 3815
Cicer arietinum (chickpea) 203, 453, 728, 2388, 2541, 2684, 2756, 3111
Cichorium endivia (endive) 500
C. intybus 3237
C. intybus (chicory) 69, 1161, 1986, 2039, 2081, 2097, 3831, 3972
Cicuta douglasii 482
C. virosa 3264
Cinnamomum camphora 2923
Cirsium 2721, 2723, 2961, 2966, 3066, 3135, 3823
C. arvense
biology
life cycle 2467
morphology 2204
root 3548
control
biological 1746
fungus 1166, 1844, 2204
insect 1488, 2956, 2961, 2965
microorganism 870
chemical 2133, 2444, 3868
aminotriazole 3862
bentazone 1975
bifenox 1001
bromacil 2112, 3863
chlorsulfuron 1735, 3748
2,4-D 529, 628, 1694, 2776
dalapon 1694
dicamba 1969
diuron 3862
glyphosate 1682, 1694, 1969, 1975, 2132, 3548, 3862
hexazinone 519
ioxynil 2692
MCPA 2132, 2692, 2776
MCPB 2776
mecoprop 1001, 2692
picloram 529, 1969
propanil 1694
cultural 1011
mechanical
harrowing 434
ploughing 434
economics 1011, 3075
herbicide use
physiology 1205, 1909, 1969, 3548
resistance 2698
legislation 1981
management, cropping 2171
recommendations 2133, 2467
ecology
associations 1793
competition 570, 1450, 3075
distribution 1785, 3075, 3234
ecotype 2204
habitat 1793
spread 843, 1785, 2133, 2467
pathology
diseases 3958
pests 2942
seeds 2467
C. brevistylum 2961
C. canescens 2150, 3614
C. discolor 2961
C. foliosum 3815
C. occidentale 2961
C. vulgare 185, 2467, 2550, 2922
control, chemical 3484
Cistus ladanifer 2535
Citrullus lanatus (water melon) 1662, 1747, 1865, 2428, 3467
Citrus aurantium (Seville, bitter or sour orange) 772
Citrus (citrus)
herbicide use and
damage 2824
residues 2625
weed control in
biological 1490, 3974
chemical 128
bromacil 129
diuron 129, 130
glyphosate 131, 2824
oryzalin 130
pendimethalin 130
terbacil 1090
cultural 128, 129
economics 129
minimum tillage 129
review 390
weeds, and 3943
C. limon (lemon) 1922

Citrus contd.
C. paradisi (grapefruit) 1698
C. reticulata (mandarin, tangerine) 1922
C. sinensis (sweet orange) 516, 1160, 1922, 2450
Cladonia rangiferina (reindeer lichen) 2637
Cladophora 3515
Cleistocactus 2197
Clematis vitalba 121
Cleome 1591
C. rutidosperma 2769
Clerodendrum viscosum 3999
Cocos nucifera (coconut) 137, 138, 139, 700, 1991, 2825, 3176, 3366, 3505
Coffea arabica 609
C. arabica (arabica coffee) 607, 1582
C. canephora (robusta coffee) 1367, 2116
Coffea (coffee) 1, 1456, 1704, 2828
Colocasia esculenta (cocoyam, dasheen, taro, eddo) 3804
Commelina 1591, 1768, 2014
C. benghalensis 1623, 1638, 1741, 2662, 2717
C. communis 2911, 3165
C. diffusa 1741
C. forskalei 3582
Commelinaceae 1741
Compositae 51, 183, 511, 2192, 2198, 2473, 2542, 2879, 3005
Coniferae 1756
Conium maculatum 3270
Convolvulus 121, 2880, 2943
C. arvensis
biology
flowering 3199
morphology 3199
physiology 2855
vegetative reproduction 3199
control
biological, insect 2205, 2206, 2956
chemical
alachlor 2714
aminotriazole 1697
aminotriazole + ammonium thiocyanate 3490
atrazine 2714
bromacil 2112, 3863
2,4-d 529
2,4-D 2854
dicamba 529, 1207
ethephon 2854
glyphosate 123, 177, 370, 1207, 1697, 2447, 2824, 2854, 2855, 3510
MCPA 1697
methabenzthiazuron 1007, 1697
metolachlor 2714
paraquat 1697, 3490
picloram 529, 1390
simazine 1697, 3490
terbumeton 123, 2107, 3490
terbuthylazine 123, 2107, 3490
terbutryne 1007
cultural, manual 1007
economics 3075
herbicide use, physiology 3628
ecology
associations 1793
competition 3075
decline 3243
distribution 3075, 3582
habitat 1793
seeds
climate 3196
dormancy 3196
germination 3196, 3199
production 3199
Conyza bonariensis 2550, 3894
C. canadensis 3754
Coprosma repens (coprosma) 2435
Corchorus (jute) 2330
C. olitorius 2385
C. olitorius (Tossa jute) 1990
Cordia curassavica 1168, 1846
Coriandrum sativum (coriander) 2058
Cornus drummondii 1661
C. sanguinea 121
C. stolonifera (red-osier dogwood) 100, 144
Coronilla varia (crown vetch) 505
Coronopus didymus 1156
Cortaderia jubata 816
Corylus avellana 3513
C. avellana (hazel, cobnut) 2449, 3865
Cotoneaster apiculata (cranberry cotoneaster) 764, 1350
C. dammeri (bearberry cotoneaster) 505, 2100, 2806, 3846, 3850
C. glaucophylla (cotoneaster) 2439
C. horizontalis (rock cotoneaster) 99
Crassocephalum 846
Crataegus 1661
Crotalaria (crop) 3432
C. juncea 2573
C. juncea (sunn hemp) 2741, 3133
C. mucronata 608, 2573
C. retusa 2573
C. saltiana 2573
C. spectabilis 900, 3920
C. sphaerocarpa 3391
C. usaramoensis 2573
Croton 846, 3464
Cruciferae 51, 1663, 2191, 2192
Crupina vulgaris 2413, 3941
Cryptostegia grandiflora 1725, 3158, 3524
Cucumis anguria 2034
C. callosus 2325
C. dipsaceus 1785
C. melo 1031
C. melo (musk melon) 93, 1739, 2096, 2803, 3466, 3467
C. melo var. *cantalupensis* (cantaloupe) 1662, 2077
C. sativus (cucumber)
bioassay 30, 635, 1212, 2168, 2252
herbicide use and
damage 95, 2803
deformities 2419, 2803
pests 2077
physiology 606, 614, 635, 2231, 2991, 3634, 3635, 4015
residual effects 761
sensitivity 3728
yield 2077
weed control in
chemical
alloxydim 69, 3736
benfluralin 1676
bensulide 94, 95, 1676
bentazone 94
butralin 95
butylate 2077
chloramben 94
chlorthal 95
diclofop 94, 2096
dipropetryn 1676
ethalfluralin 94, 95, 2096, 2803
metolachlor 69
napropamide 1676
naptalam 94, 3467
nitralin 2428
trifluralin 95
cultural 1059
minimum tillage 1059
weeds, and
allelopathy 2985
hosts of plant diseases 1820
C. sativus (gherkin, ridge cucumber) 68, 2085, 3837
Cucurbita maxima (giant pumpkin, winter squash) 92, 2429
C. moschata (winter squash) 3287
C. pepo (squash, pumpkin) 1160, 2077, 2428, 3029, 3477
C. texana 1169
Cupressus glabra (smooth Arizona cypress) 2831, 2836, 2837, 2840
C. sempervirens (Mediterranean cypress) 2432, 2831
Cuscuta 594, 2511, 2569, 2571, 2741, 2781, 2912, 3456, 3601
C. australis 3131
C. campestris 86, 578, 597, 2570, 3455
C. chinensis 2774
C. compacta 3590
C. epithymum 2411
C. hyalina 2924
C. indecora 3455, 3577, 3589
C. indecora var. *longisepala* 3577
C. lupuliformis 867
C. pentagona 2570
C. reflexa 598, 3605
C. suaveolens 3577
Cyclosorus aridus 700, 3366
Cydonia oblonga (quince) 1695
Cynara scolymus (globe artichoke) 2805
Cynodon dactylon
biology
apical dominance 2498
flowering 3907
morphology 2508
rhizome 2498, 2499
root 3907
vegetative reproduction 3907
control 2325
biological, insect 2967
chemical 2460, 3139, 3786
alachlor 3437
aminotriazole 2112, 3863
atrazine 1016, 3497
bifenox 2794
bromacil 1698, 3501
chloroxuron 2794
dalapon 2108, 2109, 2112, 2446, 3142, 3863
difenopenten 396, 505, 506, 2458, 3140, 3145
diuron 71, 1698, 2794, 3437, 3497
fenuron 3877
fluometuron 2398, 3437
fluorodifen 2794
fluridone 396
glyphosate 71, 123, 513, 1703, 1740, 2109, 2446, 2794, 2824, 3140, 3866
hexazinone 3497
linuron 2794
metolachlor 3437, 3497
metribuzin 3497
MSMA 3866
paraquat 2091, 3866, 3877
pendimethalin 2398
prometryne 2794, 3437
propachlor 2727
propanil 446
simazine 2446
tebuthiuron 3497
trifluralin 2398, 3437
trifopsime 3140, 3727
cultural, mechanical, ploughing 3501
herbicide use, physiology 1915
ecology
allelopathy 1779, 3929
associations 1800, 3939, 3943, 3944, 3945
competition 2905
decline 3243
distribution 1591, 2912, 3582
habitat 1800, 2912
spread 134, 2549
pathology, diseases 1445
seeds
climate 3907
germination 2476, 3907
soil 3907
C. dactylon (Bermuda grass) 57, 101, 105, 106, 107, 109, 507, 510, 1335, 2778
herbicide use and
damage 3168
growth stage 3168
residues 3168
weed control in
chemical
benfluralin 3167, 3168
bensulide 1068, 1069, 3167, 3480, 3851
chlorthal 1069, 3167, 3168, 3480
2,4-D 3480
dalapon 3452
dicamba 3480
glyphosate 3480
mecoprop 3480
MSMA 766, 1069
oxadiazon 3167, 3168, 3851
paraquat 3480
perfluidone 3481
prosulfalin 1069, 3480
simazine 3480
tebuthiuron 3452
Cyperaceae 2175, 2216, 2473, 3105, 3805
Cyperus
control
chemical 3138
alachlor 3780
bromacil 2112, 3863
butachlor 2375
EPTC 2832
fluchloralin 3780
glyphosate 3165

Cyperus *contd.*
control *contd.*
chemical *contd.*
metolachlor 3780
oryzalin 3780
oxyfluorfen 2392
paraquat 3165
pendimethalin 3780
profluralin 3780
trifluralin 3780
management, row spacing 1303
ecology
competition 1303, 1772
distribution 1272, 1772
spread 134
C. aromaticus 1454
C. compressus 1848
C. difformis 839, 1629, 1672, 2375, 2606, 3583
C. diffusus 3701
C. distans 2175
C. esculentus 2216
biology
anatomy 3549
dormancy 3910
flowering 3549
life cycle 2875, 3549
morphology 2892
physiology 2875, 2892, 3549
tuber 2861, 2875, 3545, 3549, 3892, 3910
control
biological, insect 1847
chemical 1094, 3299
acifluorfen 272
alachlor 828, 997, 1319, 2336, 2716, 3498, 3885
atrazine 2716, 3498
bentazone 745, 1256, 1673, 1975, 2336, 2859
butylate 997, 3759, 3885
cycloate 2054, 2762
2,4-D 2859
dichlorprop 2859
difenopenten 745
dinoseb 3885
EPTC 745, 828, 997, 2716, 3885
fluridone 997
glyphosate 997, 1673, 2824, 2861
metolachlor 82, 828, 1319, 2716, 3498, 3639, 3885
MSMA 997
napropamide 2054
oryzalin 2054
oxyfluorfen 2054
paraquat 2054
perfluidone 3498
propanil 2859
chemical v cultural 3892
cultural, mechanical, cultivation 2336
herbicide use, physiology 905, 3639
integrated control 1319
management
cropping 997
rotation 997, 2336
row spacing 1319
minimum tillage 30
ecology
allelopathy 1126, 2908
climate 2892
competition 828, 3918
distribution 1785, 1786, 1791
spread 1785
seeds, production 3894
C. inflexus 3194
C. iria 447, 1311, 2375
C. longus 1680
C. microiria 2864, 2911
C. rotundus
biology 2325
anatomy 3549
flowering 3549
life cycle 3549
morphology 2892
physiology 2892, 3549
tuber 3190, 3545, 3549
vegetative reproduction 3190
control 3190
biological 3615
insect 1847
chemical 1643, 1891, 2768, 3139, 3299, 3520
alachlor 904, 3437

Cyperus rotundus *contd.*
control *contd.*
chemical *contd.*
atrazine 1016, 3497
bentazone 2859
bifenox 2794
bromacil 1698
butralin 3091
butylate 1361
chloroxuron 2794
cycloate 2762
2,4-D 133, 773, 1623, 2114, 2859
dichlorprop 2859
dinitramine 1623
diuron 1698, 2114, 2794, 3437, 3497
EPTC 1361, 2042, 2044, 2396, 2470, 2712
fluometuron 2398, 3437
fluorodifen 2794
fluridone 1332, 2768
glyphosate 138, 370, 513, 700, 773, 1710, 1740, 1993, 2794, 2824, 3191, 3366, 3521
hexazinone 3497
linuron 2396, 2794, 3091
MCPA 133, 446
metolachlor 904, 3437, 3497
metribuzin 3497
norflurazon 2768
oxyfluorfen 2392, 3163
paraquat 2114
pendimethalin 2398
perfluidone 2768
prometryne 2794, 3437
propanil 446, 1623, 2859
simazine 2114
tebuthiuron 3497
terbutryne 2396
trifluralin 2398, 3437
vernolate 2470
crops, plantation crops 136
cultural, manual 3163
economics 2547, 3758
herbicide use
growth stage 1093
physiology 904, 905
management
cutting 3366
mowing 700
ecology
allelopathy 2168, 2909, 3190, 3230
associations 3938, 3939, 3943, 3944, 3945
climate 2892, 2911
competition 850, 2452, 2547
distribution 850, 1445, 1591, 2059, 2542, 3190, 3582
soil 1107
spread 135
succession 3583
seeds
germination 2866
production 3894
C. serotinus 554, 1757, 2245, 2377, 2497, 2546, 2858
Cytisus praecox **(Warminster broom)** 763
C. scoparius 2179, 3238
Dactylis glomerata **(cocksfoot, orchardgrass)** 2070, 2406, 3450, 3451, 3814
Dactyloctenium aegyptium 839, 3938
Danthonia compressa 2120
Datura ferox 1100, 1306
D. innoxia 586
D. metel 2189
D. quercinia 2189
D. stramonium 599, 837, 1124, 2502, 2620, 2662
biology
anatomy 3597
genetics 3597
physiology 906
control
chemical 3115
acifluorfen 723, 1032, 1575, 2751, 2752
alachlor 1032
ametryne 3760
atrazine 3760
benazolin 2752
bentazone 2751, 2752, 3760
bifenox 723, 1575
bromofenoxim 3760
chloramben 2751

Datura stramonium *contd.*
control *contd.*
chemical *contd.*
cyanazine 3760
2,4-D 1324
2,4-DB 2751
linuron 2751
MCPA 3760
metribuzin 1032, 2751
naptalam 2751
oxyfluorfen 723, 1032, 1575
paraquat 3760
herbicide use, physiology 906, 1032
ecology
climate 1119
competition 1119, 1773, 1778, 3923, 4118
distribution 1785
nutrient removal 1778
soil 1778
pathology, diseases 1818, 2189
seeds
depth of burial 2481
germination 2480, 2481, 3760
viability 3760
D. stramonium **var.** ***stramonium*** 1032
D. stramonium **var.** ***tatula*** 1032
Daucus capillifolius 3264
D. carota **(carrot)**
herbicide use and
damage 2087
physiology 603, 1881, 2608, 3646
residues 289, 639, 1530, 3031, 3329, 3662
sensitivity 3005
weed control in
chemical 1211, 1663, 3468
alloxydim 68, 2420, 3736
chlorthal 86
diclofop 68
fluazifop 2420, 3834
linuron 759, 2083, 2799, 3834
metoxuron 1596, 2083
monalide 2083
pendimethalin 86
prometryne 639
cultural 2799
weeds, and 1132, 1406
hosts of plant pests 3264
parasitic 86, 597
D. glochidiatus 3264
Dendrophthoe falcata 1144
Dennstaedtia punctilobula 2120
Deschampsia caespitosa 3446
D. flexuosa 217, 1756, 2176
Descurainia pinnata 221, 2782
D. sophia 221, 567
Desmodium diffusum 1822
D. heterophyllum **(desmodium)** 3432
D. tortuosum 1326, 3428
D. triflorum 3938
D. trifolium 2811
Dianthus barbatus **(sweet william)** 3478
Dichanthium caricosum 1335
Digitalis ambigua **(foxglove)** 504
D. lanata **(Grecian foxglove)** 479
D. purpurea 2176
Digitaria 1777
control
chemical 104
aminotriazole 3491
chlorthal 2102
diclofop 1275
diuron 3491
glyphosate 2453, 3113
oryzalin 3491
paraquat 2091, 2453, 3113
pendimethalin 2102
simazine 3491
ecology
competition 3763
distribution 3235
habitat 3243
spread 3235
D. adscendens 208, 2612 (*see Digitaria ciliaris*)
D. bicornis 2512
D. ciliaris 1326, 2512, 2864, 2911, 3165, 3225
D. decumbens 1779, 3943
D. horizontalis 49, 2512
D. ischaemum 102, 103, 507, 841, 1043, 1791, 2111, 3112

Digitaria *contd.*
D. nuda 2512
D. paspaloides 2396
D. sanguinalis 2375
biology
anatomy 2512
cytology 2512
morphology 191, 2512
taxonomy 2512
control
chemical
acifluorfen 3785
alachlor 1668, 2384, 3164, 3498, 3779, 3822
alloxydim 753
asulam 105
atrazine 3498
benfluralin 3167
bensulide 1068, 1069, 3167, 3480
bentazone 3518, 3778
chlorthal 1069, 3164, 3852
cyanazine 1668
difenopenten 82, 505, 2458
diphenamid 88
EPTC 2042
ethalfluralin 3466
fluazifop 3778
fluchloralin 82
glufosinate 3822
glyphosate 3822
hexazinone 3498, 3822
linuron 1668, 3779
methabenzthiazuron 1668
metolachlor 1668, 2384, 3498, 3822
metribuzin 88, 3498
MSMA 105, 1069
napropamide 88
oxadiazon 3167
paraquat 3822
pendimethalin 3466, 3498
prodiamine 3498
profluralin 82, 3164
prometryne 1668
propyzamide 1672
prosulfalin 1069, 3480
terbacil 3852
trifluralin 88, 2384, 3164
trifopsime 3814, 3822
herbicide use
growth stage 3701
resistance 841
ecology 2522
allelopathy 2908, 3230
associations 3938, 3943
competition 828, 1124, 1778, 2534, 3164, 3239
distribution 1591
nutrient removal 1778
soil 1778, 2521
seeds
germination 1104
longevity 1104
production 2521, 2522
D. scalarum 134
D. setigera 2512
Dioscorea alata **(water yam)** 3566
D. rotundata **(white yam)** 2165, 2530, 2531
Dioscorea **(yam)** 47, 2685, 3133, 3938
Diospyros texana 63, 153
Diplotaxis catholica 2480
D. erucoides 1793, 2107, 3243
Discaria toumatou 3238
Drymaria cordata 3702
Echinocereus albospinus **(cactus)** 506
Echinochloa 449, 816, 1668, 1772, 2392, 2912, 3113, 3165, 3583
E. colonum 839
biology, morphology 191
control
chemical 1629
bentazone 1629, 3061
bromacil 1700
butachlor 447, 1629, 2378, 3061
chlorfenac 2717
2,4-DB 2717
diphenamid 2385
diuron 1700
fluazifop 2385
fluchloralin 2378
linuron 2385
MCPA 2717
metribuzin 2393
molinate 1629
Echinochloa colonum *contd.*
control *contd.*
chemical *contd.*
monuron 1700
nitrofen 2378, 3061
oxadiazon 1310, 2385
pendimethalin 2385
prometryne 1700
propanil 446, 1629, 3061
cultural, manual 1310
economics 2547
herbicide use, growth stage 3701
management 2737
flooding 1310
ecology
associations 3939, 3943
competition 2547
distribution 1591, 3582
seeds, germination 3528
E. crus-galli
biology
anatomy 2485
flowering 2553
life cycle 2553
morphology 191, 2484, 3553
physiology 1398, 2485, 2612, 3898
taxonomy 3553
control
biological, microorganism 870
chemical 435, 1639, 1666, 2078, 2086, 2245, 2621, 3006, 3139, 3653
alachlor 77, 2384, 2686, 3152, 3780
alloxydim 68, 69, 753
aminotriazole 3491
anilofos 2738
atrazine 438, 2720
bromoxynil 3134
butachlor 2015, 2375, 2378
butylate 2686, 3885
diclofop 68, 1275, 3112, 3159
difenopenten 77, 3404
dinoseb 3885
diphenamid 88, 2385, 2800
diuron 3491
EPTC 360, 2391, 2720, 3152, 3885
ethalfluralin 1064, 3841
fluazifop 2338, 2385, 3134
fluchloralin 2378, 3780
linuron 438, 2385, 3802
MCPA 3134
metobromuron 2800
metolachlor 69, 77, 2384, 2686, 2720, 2800, 3152, 3780, 3802, 3885
metribuzin 88, 2800, 3404, 3802
monolinuron 438
napropamide 77, 88, 2800, 3850
nitrofen 807, 2378, 2484
oryzalin 3491, 3780, 3850
oxadiazon 2013, 2385, 3850
pendimethalin 77, 2385, 3404, 3780
profluralin 3780
propachlor 2727
propanil 807, 2013, 2014, 2015, 2484
propyzamide 1672
simazine 3491
thiobencarb 807, 2012, 2014, 2484
trifluralin 88, 2384, 2686, 2800, 3780
trifopsime 3727
vernolate 2720
cultural, mulching 1075
herbicide use
germination 807
growth stage 3781
physiology 897, 2012
resistance 807, 841, 2720
management 3408
recommendations 2078
review 2086
ecology
allelopathy 1442, 2537, 2538
associations 1118
climate 1398, 2485, 2553, 2893, 2911, 3223
competition 570, 824, 829, 1118, 3223, 3239
distribution 578, 1272, 1345, 1791, 2059, 3234, 3235
habitat 3243
spread 3235
Echinochloa crus-galli *contd.*
seeds
climate 1398, 2486, 3898
depth of burial 1751, 2863
dormancy 2142, 2484, 2486, 2863
germination 807, 1398, 1751, 2142, 2485, 2486, 2863, 2864, 3528, 3898, 4006
inhibitors 1394
E. crus-galli **var.** ***crus-galli*** 824, 2553
E. crus-galli **var.** ***frumentacea*** 95, 360, 2553, 2686
E. crus-galli **var.** ***oryzicola*** 807, 824, 829, 2484, 2485, 2546, 2553, 3898
E. glabrescens 1118, 3408
E. muricata 2553
E. oryzicola 3553
E. oryzoides 1751
E. phyllopogon 1751
E. utilis **(sawa millet)** 719
Echium plantagineum 1851, 1853, 2208, 2579, 2661, 3609
Egeria densa 231, 1384
Eichhornia 846, 1977
E. crassipes
biology 2321
anatomy 1424, 2870, 3248
apical dominance 3276
evolution 2870
flowering 224
identification 1382
life cycle 814, 1424
morphology 224, 1852, 3276
physiology 814, 862, 975, 976, 1424, 2870
root 587
shoot 587, 1852
vegetative reproduction 814, 862, 3247
control 848
biological 1382
fungus 600, 1171, 1173, 1850
insect 874, 875, 876, 1170, 1171, 1172, 1481, 1823, 1850, 1852, 2207, 2968, 3271, 3272
chemical 1382
aminotriazole 2127
chlorflurecol 3184
2,4-D 156, 201, 3184
dalapon 2127
diquat 2127
GA 3184
paraquat 2127
simazine 2127
cultural, mechanical 3517
ease of harvesting 3517
management 1382, 3517
non-crop situations, waterways 3272
ecology 1465, 3366
climate 814, 2523
distribution 848, 1382, 2912
eutrophication 201, 309, 587, 700, 3219, 3721
habit 587
habitat 1382, 2912
nutrient removal 309, 2676, 3219, 3721
spread 814, 848, 862, 3247
pathology 1268
utilization 700, 848, 974, 975, 976, 977, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 2321, 2676, 2677, 3077, 3078, 3358, 3359, 3360, 3366, 3721
Elaeagnus angustifolia 1781, 3942
E. angustifolia **(oleaster)** 785
Elaeis guineensis **(oil-palm)** 1, 700, 773, 1076, 2825, 3174, 3175, 3366, 3503, 3504, 3867
Eleocharis acicularis 2245
E. coloradoensis **(dwarf spikerush)** 3928
E. kuroguwai 554, 555, 2245, 2497, 2594
Elephantopus scaber 2811
Eleusine coracana 2612
E. coracana **(African or finger millet, ragi)** 1309, 2329, 2985
E. indica 839, 3518
biology, morphology 2508
control
chemical 3139
alachlor 3498
atrazine 3498
benfluralin 508, 3167
bensulide 508, 3167, 3851
bromacil 1700

Eleusine indica contd.
control contd.
chemical contd.
butachlor 447
chlorthal 508
diethatyl 49
difenopenten 82
diuron 1700
ethalfluralin 1326
fluchloralin 82
hexazinone 3498
metolachlor 3498
metribuzin 106, 3498
monuron 1700
napropamide 1662
oxadiazon 106, 508, 3167, 3851
pendimethalin 3498
prodiamine 3498
profluralin 82
prometryne 1700
prosulfalin 106, 3480
ecology
climate 2911
competition 828, 1121, 3763
distribution 1591
pathology, pests 1478
Elodea 2562
E. canadensis 160, 161, 785, 2267, 2621, 3546, 3954
E. nuttallii 1412
Elymus junceus (Russian wildrye) 1650
Emex 1491, 1855
E. australis 1108, 1491, 1854, 2513, 2514, 2589, 3249, 3273
E. spinosa 2513, 2514, 2589
Emilia sagitata 2794
Epilobium 3849
E. angustifolium 217, 2176
E. tetragonum 3492
Equisetum 123, 790, 1393, 3243, 3491
E. arvense 625, 626, 838, 1189, 1393, 1790, 1791, 2111, 2472, 2714, 2911, 3187
E. fluviatile 2472
E. hyemale 1735
E. palustre 2472
E. ramosissimum 1393
Eragrostis 1445
E. cilianensis 3778
E. curvula 1779
E. tenella 3938
E. unioloides 568
Erechtites 1369
Eremochloa ophiuroides (centipedegrass) 2104
Eremophila mitchellii 2417
Erica tetralix 1756, 3459
Erigeron annuus 1161
Eriocereus 2197
E. martinii 241, 1856, 2969
Eriophorum angustifolium 3915
Eriophorum (cottongrass) 3459
Erodium 2880, 3242
E. cicutarium 221, 570, 1154
Eucalyptus 844, 2838, 3878
E. cambageana 1726
E. globulus 2536
E. globulus (eucalyptus) 1880, 2535
E. populnea (poplar box) 2417
E. robusta 1779
Euonymus (euonymus) 98
E. europaeus 2835
E. fortunei var. *coloratus* (purpleleaf wintercreeper) 764
E. fortunei (wintercreeper) 2806, 3850
E. japonica (euonymus) 2433
Eupatorium 216, 846
E. adenophorum 1484, 1780, 2210, 2925, 2926, 3537, 3570
E. capillifolium 1045
E. odoratum 551, 1380, 1401, 1801, 1802, 2779, 2907, 2912, 2970, 3267, 3503, 3506, 3537, 3557, 3867
E. riparium 3537
Euphorbia 510, 1591, 1857, 2209, 2620
E. amygdaloides 3965
E. cyparissias 3964, 3965
E. esula 195, 529, 1337, 1388, 1421, 1746, 1857, 2069, 2209, 2943, 2956, 3815, 3817, 3818, 3890, 3964, 3965
E. esula × *Euphorbia virgata* 1421
E. heterophylla 135, 1031, 1701, 1816
E. hirta 2168, 3081
E. lucida 3964
Euphorbia contd.
E. oblongata 3965
E. podperae 195
E. prunifolia 2871
Euphorbia × *pseudovirgata* 1421
E. ranulata 1816
E. schimperiana 3582
E. supina 111, 3538
E. virgata 3964
Euthamia 1422
Fabales 552
Fagaceae 1151
Fagopyrum esculentum 438, 2621
F. esculentum (buckwheat) 477, 1594, 3088
F. tataricum 1089, 1574, 1601, 3098
Fagus sylvatica (beech) 1372, 2829, 2830, 3872
Fatoua villosa 2864
Ferula communis 3264
Festuca 53, 2460, 3493
F. arundinacea 505
F. arundinacea (tall fescue) 1648, 1684, 2068, 2406, 2445, 3151, 3450, 3452, 3842
Festuca (fescue) 2665
F. idahoensis (Idaho fescue) 2076
F. ovina 3459
F. pratensis (meadow fescue) 1650, 2167, 3151, 3451
F. rubra (red fescue) 103, 104, 110, 111, 115, 178, 400, 509, 1085, 1650, 2103, 2409, 3043, 3151, 3450, 3842
Fimbristylis littoralis 447, 1118, 2375, 3528, 3583
F. miliacea 3061
Flourensia 1652
Foeniculum 1139
F. vulgare (fennel) 2058, 3835
Fontinalis 161
Forsythia (forsythia) 100
F. intermedia (border forsythia) 1350
Fragaria 1747
Fragaria (strawberry)
herbicide use and
adsorbents 3852
application 2814
damage 767, 2105, 2444, 2813, 2815, 3854, 3856
physiology 2815
sensitivity 3483
varietal susceptibility 3852
yield 2444, 3856
weed control in 996
chemical 116, 3484
alloxydim 1589, 1689, 2813, 3483, 3736, 3856
chloroxuron 3854
chlorthal 511, 1688, 1689, 2813
desmedipham 767
diclofop 767
ethofumesate 767, 1353, 1689, 3483, 3854, 3856
fluazifop 1589, 3856
glyphosate 2317, 2814, 2815, 3732
lenacil 1689, 2813, 3854, 3856
metamitron 3856
napropamide 1688
oxadiazon 1589, 1689, 3856
pendimethalin 3856
pentanochlor 1689
phenmedipham 767, 1689, 3856
propachlor 1689, 3854, 3856
propyzamide 2812, 3854
simazine 2813
cultural 1688
Franseria tomentosa 1390, 4001
Fraxinus 150, 1745
F. americana (white ash) 349, 2460, 2834
F. excelsior (European ash) 2830
F. pennsylvanica var. *lanceolata* (green ash) 143, 144, 145, 2458
Freesia (freesia) 1679
Fumaria 2360
F. officinalis 738, 1131, 2022, 3410, 3469, 3470, 3895
F. parviflora 1643, 2389
Funaria hygrometrica 217
Galeopsis 1001, 2945, 3743, 3895
G. bifida 1011, 3747
G. tetrahit 1273, 1593, 2877, 3368
Galinsoga ciliata 88, 3390, 3569
G. parviflora 568
Galinsoga parviflora contd.
control
chemical
asulam 3831
carbetamide 3831
propyzamide 3831
ecology, distribution 3582
Galium aparine
control
chemical 272, 412, 738, 2078, 2086, 2171, 2765, 3005
atrazine 438
bifenox 1001
bromoxynil 2698
butralin 2000
chloridazon 2040
chlortoluron 1996, 2000
DNOC 2000
ethofumesate 2040
ioxynil 2698
isoproturon 2708
linuron 438, 2742
mecoprop 1001, 2000
metoxuron 2000, 3378
monolinuron 438
pendimethalin 710, 1996
phenmedipham 2040
pyridate 2698
trifluralin 2708, 2742
recommendations 2078
review 2086
ecology
colonization 838
distribution 2539, 3235
spread 838, 843, 3235
pathology, pests 235
G. arenarium 2185
G. saxatile 1756
G. tricorne 3893
Geranium carolinianum 2168
Gladiolus (gladiolus) 97, 1680, 3479
Glaucium flavum (yellow-horned poppy) 2401
Glechoma hederacea 2105
Gleditsia triacanthos 1082
G. triacanthos (honey locust) 1351
Gleichenia polypodioides 3511
Glochidion fortueni 1779
Glyceria 790, 797
G. maxima 155
Glycine max (soybean)
bioassay 658, 1126, 1565, 2538, 2992
herbicide use and
application 33, 958, 1316, 1322, 1575, 2029, 2668, 2745, 2748, 2749, 3117, 3421
compatibility 3707
damage 399, 1032, 1033, 1256, 1301, 1322, 1976, 2031, 2751, 2752, 2753, 3115, 3121, 3707, 3769, 3787
diseases 1619, 3725
germination 1315, 2031
growth stage 1324
maturation 4085
physiology 893, 896, 901, 906, 1000, 1032, 1206, 1881, 1882, 1893, 2597, 2610, 2990, 3342, 3641, 3993, 3994, 4015, 4085
quality 1637
residual effects 2349, 3648
residues 1301, 1922, 1926, 2297, 2753, 3800
sensitivity 674, 896, 901, 3773
varietal susceptibility 34, 35, 1315, 1636, 1990, 2754, 3122, 3123
yield 1322, 1324, 1637, 2029, 3114, 3425, 3641, 3789
weed control in
biological 1169, 2196, 3974, 3985
chemical 27, 724, 997, 1520, 1597, 1990, 2028, 2131, 2326, 2386, 2620, 3086, 3138, 3139, 3224, 3769, 3781, 3784, 3786
acetochlor 4, 2746
acifluorfen 4, 33, 399, 717, 723, 1028, 1031, 1315, 1575, 1635, 2025, 2384, 2685, 2747, 2750, 2751, 2752, 3120, 3414, 3415, 3419, 3422, 3423, 3424, 3425, 3775, 3776, 3779, 3788, 3985, 4010

***Glycine max* (soybean)** *contd.*
weed control in *contd.*
chemical *contd.*
alachlor 28, 29, 30, 31, 499, 722, 726, 1315, 1319, 1633, 1635, 2025, 2336, 2384, 2386, 2744, 2746, 2747, 3115, 3121, 3422, 3753, 3756, 3779, 3780
alloxydim 726
atrazine 2711
benazolin 2750, 2752, 3419
bentazone 4, 29, 399, 1320, 2030, 2336, 2384, 2750, 2751, 2752, 3115, 3414, 3415, 3416, 3419, 3424, 3425, 3776, 3778, 3779
bifenox 723, 1575, 2746
bromoxynil 1320
butralin 499, 2743, 3091
chloramben 28, 1635, 2386, 2746, 2751
chlorpropham 2746
2,4-D 1298, 1320, 1324, 1632, 2745, 2749
dalapon 1318, 2711, 3417
2,4-DB 2750, 2751, 3423, 3425, 3775
dicamba 1298
diclofop 1317, 1321, 2025, 2027, 3117, 3118, 3776
difenopenten 4, 399, 725, 727, 1030, 2027, 2386, 3119, 3418, 3419, 3420
dinoseb 717, 2026, 2750, 3424, 3425
diphenamid 2385
diuron 1632
fluazifop 999, 2385, 3776, 3778, 3782, 3783
fluchloralin 3416, 3780
glyphosate 30, 31, 1298, 1316, 1317, 1318, 1320, 1633, 2029, 2670, 2745, 2749, 3113, 3117, 3118, 3417, 3421, 3753
linuron 4, 28, 30, 31, 722, 1632, 1633, 2030, 2385, 2386, 2751, 3091, 3114, 3115, 3121, 3423, 3425, 3756, 3775, 3779
mefluidide 725, 726, 1317, 1318, 3414, 4010
methabenzthiazuron 3115
metolachlor 31, 722, 1028, 1319, 1633, 1635, 2384, 2711, 2746, 2747, 3420, 3756, 3774, 3780
metribuzin 4, 29, 30, 31, 399, 722, 1028, 1315, 1317, 1322, 1632, 1633, 2025, 2031, 2384, 2711, 2744, 2751, 3121, 3122, 3416, 3423, 3753, 3774, 3777
molinate 1314
MSMA 2711
napropamide 3777
naptalam 2026, 2750, 2751, 3424, 3425
nitralin 3115
norflurazon 4
oryzalin 31, 1029, 1633, 1635, 2711, 3780
oxadiazon 2385
oxyfluorfen 723, 1323, 1575, 2746
paraquat 30, 31, 1632, 1633, 2711, 3113, 3756, 3775
pendimethalin 4, 1028, 2385, 3121, 3780
prodiamine 3121
profluralin 1028, 2744, 3780
propachlor 32, 2056
toxaphene 3788
trifluralin 4, 29, 32, 1029, 1317, 1318, 1324, 1635, 1637, 2056, 2384, 2386, 2746, 3115, 3121, 3417, 3420, 3422, 3780
trifopsime 3419, 3420, 3776
vernolate 2031, 2744, 3423, 3777
cultural 29, 31, 724, 1319, 1774, 2336, 2743, 3774
integrated 28, 1319
minimum tillage 3, 30, 1632, 1633, 2711, 2753, 3113
recommendations 392
review 969, 1592
weeds, and 1099, 1102, 2169, 3188, 3920, 3935
allelopathy 1442, 1634, 2537, 2538, 3921, 3930

***Glycine max* (soybean)** *contd.*
weeds, and *contd.*
competition 392, 569, 831, 832, 990, 1032, 1119, 1120, 1121, 1431, 1434, 1435, 1436, 1773, 1774, 2159, 2162, 2470, 2533, 3222, 3225, 3527, 3564, 3565, 3921, 3922, 3923, 4118
parasitic 2323
yield loss 798, 831, 832, 1119, 1120, 1121, 1431, 1434, 1435, 1436, 1634, 1773, 1774, 3222, 3224, 3922, 3923, 3935, 4118
Gnaphalium 846
G. luteo-album 568
Gomphrena 846
***G. globosa* (globe amaranth)** 1818
***Gossypium barbadense* (Egyptian or sea-island cotton)** 2196
***Gossypium* (cotton)** 3279
bioassay 3681
herbicide use and
application 3701
compatibility 3059
damage 2771, 3353, 3439, 3807
deformities 4005
diseases 3808
drift 637, 2771, 3439
growth stage 3439
pests 3059, 3060
physiology 262, 619, 2995, 4015
quality 3060, 3808
residual effects 394, 2330
residues 1922, 2753
sensitivity 941, 3299, 3520
varietal susceptibility 3137, 3808
yield 1332, 2770, 3059, 3137
weed control in
biological 1839, 2196, 3985
chemical 1520, 2330, 2753, 2768, 2769, 3138, 3139, 3144, 3436, 3806
acifluorfen 4, 3985
alachlor 3371, 3437
cyanazine 4
dalapon 472, 3141, 3142, 3438
diethatyl 49
difenopenten 4, 396, 3140, 3145
dipropetryn 3805
diuron 471, 1990, 2397, 3137, 3437, 3808
DSMA 3137
ethalfluralin 1332
ethofumesate 4
fluazifop 999
fluchloralin 2395
fluometuron 4, 471, 472, 736, 1041, 2053, 2398, 2770, 3137, 3145, 3435, 3437, 3805
fluridone 396, 471, 997, 1332, 2768, 3136, 3805
glyphosate 4, 2670, 3140, 3141, 3438
methazole 471
metolachlor 3371, 3435, 3437, 3805
MSMA 4, 396, 471, 997, 3137, 3143
napropamide 4
norflurazon 4, 471, 2768, 3805
oxyfluorfen 4
pendimethalin 4, 2398, 3137, 3145
perfluidone 2768
prometryne 472, 736, 2053, 2395, 2770, 3136, 3435, 3437
tetrafluron 3371
trifluralin 1332, 2398, 3136, 3137, 3141, 3437, 3438, 3805, 3808
trifop 3143
trifopsime 3140
cultural 472, 2330, 2397, 2769
economics 472, 3365
integrated 472, 2330, 2397
minimum tillage 3436
review 390, 969, 1592, 3436
weeds, and 1839
allelopathy 3929
competition 207, 1775, 1776, 1990, 2330, 2397, 3527, 3567
parasitic 2323
yield loss 1775, 1776
***G. hirsutum* (American or upland cotton)** 2196, 2330, 3140
***G. hirsutum* (cotton)** 3567
Gramineae 191, 572, 795, 1470, 2473, 2508, 2542, 3770
Gramineae (cereals) 2063

Gramineae (grasses) 2063, 3813
Guazuma ulmifolia 3464
***Guizotia abyssinica* (niger seed)** 2774
Gutierrezia 1652, 3986
G. dracunculoides 810, 851, 3827, 3901, 3952
G. microcephala 1101, 2198, 2593, 3462
G. sarothrae 1101, 2198, 2593, 3461, 3828
G. serotina 2198
Guttiferae 3211
***Gymnocladus dioica* (Kentucky coffee-tree)** 1351
Hakea sericea 3616
Haplopappus 221
H. laricifolius 2198
Hapolopappus tenuisectus 2198
Hedera 3243
***H. helix* (English ivy)** 505, 763, 764
Helianthus annuus 181, 816, 1104, 1285, 1320, 1980, 2532, 2537, 2745, 3798, 3921
***H. annuus* (sunflower)** 3972
bioassay 2538
herbicide use and
damage 1334, 1954, 3148, 3149, 3443
deformities 880, 883
drift 1333
growth stage 3149, 3443
physiology 252, 604, 606, 1000, 2595, 3644, 3992
residual effects 437, 475, 2337, 4041
residues 2265, 3336, 3800
sensitivity 1739, 3149, 3442
varietal susceptibility 3148, 3149
yield 1333, 1954
volunteer plants 1285, 1320
weed control in 2329
chemical 1211, 1594
alachlor 1043
atrazine 475
carbetamide 3147
chloramben 50, 1043, 3442
cycloate 2054
diclofop 3442
EPTC 50, 2396
ethalfluralin 50, 1043
flamprop-methyl 3088, 3442
linuron 2396, 2773
metolachlor 50, 1043, 2773
monolinuron 2773
napropamide 50, 2054
nitralin 2055
oryzalin 50, 1043, 2054
oxadiazon 3147
oxyfluorfen 2054
paraquat 1043, 2054
pendimethalin 50, 1043, 2055
profluralin 50
prometryne 340, 475
propachlor 2056
terbutryne 2396
trifluralin 50, 2056, 2773, 3442, 3443
integrated 2773
recommendations 2057
weeds, and 2169
allelopathy 2538
competition 567, 1991, 2159
yield loss 2057
H. annuus* var. *lenticularis 234
H. tuberosus 1297, 1298, 1299, 1389, 1431, 2749
***H. tuberosus* (Jerusalem artichoke)** 2227
***Helichrysum bracteatum* (strawflower)** 3848
Heliotropium 1310
H. europaeum 1858, 2211, 2580, 3609
***Helipterum manglesii* (helipterum)** 3848
Helminthia echioides 2784
***Hemarthria altissima* (limpograss)** 3626
Heracleum mantegazzianum 3264
H. sphondylium 548
***Heteropogon contortus* (tanglehead, black spear grass)** 2065
Heterotheca 65
H. subaxillaris 1056
Hevea brasiliensis 3180
***H. brasiliensis* (rubber)** 1, 517, 773, 1077, 1370, 2455, 2825, 3506
Hibiscus cannabinus 2741
***H. cannabinus* (kenaf)** 473
***H. rosa-sinensis* (rose of China)** 2433, 2435
H. trionum 1332, 2196
Hieracium 2407

Hieracium contd.
H. floribundum 2407
H. pilosella 2776
Hilaria mutica 851
Hippuris vulgaris 161
Holcus lanatus 1090, 1453, 2176, 3544
H. mollis 542, 1090, 1130
Hordeum 2984
H. geniculatum 1399
H. glaucum 1399, 2551
H. jubatum 482, 3816
H. leporinum 1399, 2551
H. marinum 1399
H. murinum 1399, 2107, 2479
H. vulgare 1595, 1599, 1601, 2038, 2338, 2767, 3089, 3151, 3412, 3482
H. vulgare (barley)
bioassay 608, 2688, 3704, 4071
herbicide use and 4016
antidotes 3299
application 1573, 2362, 3351, 3700, 3703
cumulative effects 2541
damage 413, 486, 1012, 1287, 1608, 1610, 2007, 2362, 3372, 3374, 3645, 3704
diseases 1507, 3344, 3751
growth stage 1995, 2692, 2695, 2697, 2709
maturation 1783
physiology 602, 605, 606, 881, 907, 1000, 1013, 1206, 1209, 1507, 1523, 1889, 1893, 1895, 2001, 2003, 2234, 2238, 2995, 2996, 2998, 2999, 3058, 3700, 4011
protein 1607
quality 1013, 1014
malting 1288, 1607
residual effects 437, 480, 738, 1012, 2007, 2275, 2349, 3042, 3087, 3731
residues 928, 1012, 1539, 2293, 2635, 2688, 3800
sensitivity 394, 1895, 2466, 2692, 3005, 3302, 3645
sugar 1013
varietal susceptibility 409, 602, 704, 1003, 2004, 2693, 2694, 2697, 2699, 2710
yield 1004, 1014, 1607, 2003, 2695, 2696, 2710, 3389
volunteer plants 3344
weed control in 3744
chemical 412, 416, 421, 706, 997, 1448
acifluorfen 3375
aminotriazole 410
atrazine 1942
barban 12, 13, 2710
bentazone 428, 1607, 3375
benzoylprop 1284, 1598, 2696
bifenox 1596, 2351
bromofenoxim 411, 2004, 3743
bromoxynil 6, 411, 417, 1607, 1610, 2362, 2698, 3351, 3384
butralin 3375
chlorfenprop 12, 1133
chlorsulfuron 3369, 3375
chlortoluron 1277, 1942, 1997, 3375, 3376, 3390
clofop 1277

weed control in
chemical
cyanazine 419, 1608, 2697
2,4-D 394, 628, 1607, 1608, 1610, 2003, 2362, 3384
2,4-DB 428
dicamba 407, 429, 1133, 2004, 2684
dichlorprop 411, 414, 1133
diclofop 13, 415, 1275, 1277, 1284, 1598, 1607, 1608, 2352, 2696, 2709
difenzoquat 13, 414, 420, 1284, 1598, 1607, 2710, 3384
dinoseb 1608, 1997
dinoterb 1997, 3376, 3380
diuron 1608
flamprop-isopropyl 414, 2710
flamprop-methyl 1277
flurecol 429
ioxynil 411, 2696, 2697, 2698, 3351
isoproturon 417, 418

Hordeum vulgare (barley) contd.
weed CONTROL IN, CHEMICAL, ISOPROTURON 419
weed control in
chemical
isoproturon 1277, 1942, 1996, 1997, 2708, 3372, 3376, 3380
linuron 413, 1942, 1996, 2351, 2683, 2708
MCPA 411, 414, 428, 429, 1133, 1287, 3351, 3384
MCPB 428
mecoprop 411, 417, 429, 1596, 2004, 3351, 3375
methabenzthiazuron 413, 1607, 1608, 1610, 2351, 2362, 3389
weed CONTROL IN, CHEMICAL, METOXURON 419
weed control in
chemical
metribuzin 3390
molinate 3372
monolinuron 2351
napropamide 1942
neburon 1996, 2293, 3375
pendimethalin 710, 1942, 2293, 2351, 2683, 3375
picloram 407, 1607, 1608, 3384
prometryne 1608, 3351
propanil 1287
pyridate 2698
simazine 3351
2,4,5-T 2004
2,3,6-TBA 407
TCA 695
terbuthylazine 411, 3743
terbutryne 413, 1277, 2351
tri-allate 12, 13, 413, 1284, 1539
trifluralin 413, 1942, 1996, 2351, 2708
cultural 1448, 3581
economics 971, 972
minimum tillage 410, 571
recommendations 392
weeds, and 576, 577, 711, 1135, 1406, 1464, 1788, 2169, 2170, 3579, 3581
allelopathy 1443, 1782
competition 558, 705, 827, 1768, 3098, 3221, 3561
hosts of plant diseases 1443
yield loss 705, 827, 3221, 3560, 3561
Hosta undulata (hosta) 504
Hottonia palustris 161
Houttuynia cordata 2891
Humulus 3473
H. lupulus (hop) 2629, 3483, 3656, 3868
H. scandens 1738
Hydrilla 813, 2562, 3321
H. verticillata 225, 231, 600, 783, 1174, 2852, 3724
biology 2321
physiology 2136, 3216, 3250, 3256
tuber 3928
control
biological
fungus 1859
herbivorous fish 1384, 1733, 2128
chemical
diquat 3185
endothal 3185
ecology 3928
distribution 2921, 3726
habitat 3946
nutrient removal 3079, 3250
soil 3250, 3946
utilization 2321, 3079
Hydrocharis morsus-ranae 2920
Hydrocharitaceae 2562
Hydrocotyle asiatica 2811
H. ranunculoides 3358
Hymenoxys 1652
Hyobanche sanguinea 596
Hypericum 2956, 3211
H. perforatum 2212, 2581, 3211, 3609
Hypochoeris glabra 1416, 3203
H. radicata 1416
Hyptis 846
H. suaveolens 456
Ilex cornuta (horned holly) 2905
I. crenata (Japanese holly) 1682, 2806, 3850
I. crenata var. *convexa* (Japanese holly) 764

Ilex contd.
I. vomitoria 3880, 3882
Imperata cylindrica 191, 216, 839, 2811, 3593
biology
life cycle 2505
morphology 2927
physiology 1890, 3557
rhizome 2506
control 2329
chemical
asulam 2825
2,4-D 2454
dalapon 700, 773, 1077, 2825, 3366, 3503, 3866
diuron 3866
glyphosate 700, 701, 773, 1076, 1077, 1369, 1740, 3175, 3366, 3503, 3866, 3867
MSMA 3866
oxyfluorfen 2454
paraquat 2454, 3866
cultural, mechanical 700, 3366
management, ground cover 3505
ecology
allelopathy 1890
colonization 2927
competition 3366
ecotype 2927
habit 2927
soil 3557
seeds, germination 700, 3366
Indigofera hirsuta 1821
I. linifolia 1113
Ipomoea 396, 846, 2091, 2213, 2620, 3120, 3520, 4118
I. acuminata 2213
I. aquatica 3077
I. aquatica (swamp morning glory) 3160
I. batatas (sweet potato) 1662, 2919, 3938
I. carnea 3078
I. hederacea 758, 836, 961, 1031, 1043, 1324, 1516, 2054, 2482, 2751, 3204, 3422, 3425
I. hederacea var. *integriuscula* 3204
I. hirsutula 3136
I. hispida 2912
I. lacunosa 758, 3204, 3415, 3424, 3425, 3564
I. muricata 1031
I. pandurata 2460
I. purpurea 1124, 1778, 2213, 2240, 3136, 3204, 3425
I. quamoclit 3204
I. tiliacea 1591, 3944
I. trichocarpa var. *torreyana* 3204
I. triloba 2769, 3763
I. wrightii 3204
Iris missouriensis 3815
Ischaemum rugosum 2375
Isocoma 860
I. coronopifolia 860, 3462
I. drummondii 64, 860
I. wrightii 860
Jacquemontia tamnifolia 1326, 3204
Jasminum nudiflorum (winter jasmine) 99
Juglans nigra 1082
J. nigra (black walnut) 1720, 2460, 2830, 2834
Juglans (walnut) 2835
Julbernardia globiflora 1083, 1723, 2124, 2125, 2126
Juncus 370, 2408, 3066
J. effusus 1756, 3459
J. squarrosus 1756
Juniperus 66, 777, 1652
J. chinensis (Chinese or pyramid juniper) 2432, 2905
J. horizontalis (creeping juniper) 1682, 2806, 3850
J. horizontalis var. *plumosa* (Andorra juniper) 505, 764
Juniperus (juniper) 2432
Jussiaea decurrens (see *Ludwigia decurrens*)
Kalimeris indica 3244
Kallstroemia maxima 3437
Kalmia angustifolia 2106
Kochia indica 3970
K. prostrata 3970
K. scoparia 1104, 1285, 1980, 2745, 2748, 2782, 2987, 3093, 3589, 3738, 3798, 3841, 3970
Kyllinga 134

Kyllinga contd.
K. squamulata 431, 444, 456
Lactuca 3966
L. sativa (lettuce) 3160, 3972
bioassay 889, 1572, 2039, 2168, 3230, 3278
herbicide use and
application 1970
damage 1986
deformities 2419
germination 1510
irrigation 1970
physiology 903, 1066, 1207, 1510, 2804
quality 2804
residual effects 3731
residues 3311
sensitivity 3005
yield 2084, 3836
weed control in 996
chemical 3465
asulam 3836
carbetamide 3836
chlorpropham 3836
propachlor 3465
propyzamide 3836
weeds, and, allelopathy 2910, 3572
L. scariola 2865, 3134
L. serriola 221, 1980
L. tatarica 1011
Lagenaria siceraria (bottle gourd) 3728
Lallemantia royleana 2880
Lamium 68, 2400, 2945, 3895
L. amplexicaule 1128, 1157, 1662, 2141, 3242, 3468, 3555, 3953
L. purpureum 738, 838, 1128, 2080, 2082, 2420, 3468
Lantana camara 67, 242, 1081, 1484, 2582, 2971, 3081, 3592, 3960
L. tiliaefolia 2214
Lappula echinata 2865
Lapsana communis 183
Larix decidua (European larch) 2830
L. occidentalis (western larch) 1968
L. sibirica (Siberian larch) 143
Larrea 221
L. tridentata 221, 3461
Lathraea 1149
L. clandestina 1814, 2568
Lathyrus 1159
L. tuberosus 2721
Leersia 1772
L. hexandra 134
Leguminosae 820, 1681, 2098, 2473
Leguminosae (legumes) 1797, 2779, 3813
Lemna 202, 692, 852, 1244, 1267, 3358, 3605
L. gibba 226, 852, 1175, 1760, 3186, 3620
L. minor 788, 1760, 2621, 3600
L. obscura 1175
L. paucicostata 692
L. perpusilla 1175, 3077
L. valdiviana 1175, 3600
Lemnaceae 3274
Lens culinaris (lentil) 26, 394, 453, 1159, 1631, 2195, 2328, 2687, 3111, 3770
Leontodon autumnalis 3606
Lepidium 2547, 2984
L. bonariense 2550
L. campestre 746
L. densiflorum 3925
L. latifolium 3862
L. sativum (garden cress) 2261, 4031
L. virginicum 1156, 3754
Leptochloa 2014
L. chinensis 2515, 3193
L. filiformis 1478
Leptospermum 3238
Lespedeza 2104
Leucas urticifolia 1310
Leuzea carthamoides (medicinal crop) 774
Ligusticum scoticum 3264
L. takesimana (seombadi) 1672
Ligustrum japonicum (Japanese privet) 3850
L. lucidum 2843
L. lucidum (glossy privet) 2806
L. ovalifolium (California privet) 100, 763
Ligustrum (privet) 3577
L. sinense 2843
L. vicaryi (vicary privet) 2905
Lilium (lily) 1681, 2098
Limnobium stoloniferum 2575
Limnopoa meeboldii 842
Limonium (statice, sea lavender) 3848
Linaria vulgaris 3815
Lindernia crustacea 3584
Linum usitatissimum 2621
L. usitatissimum (fibre flax)
herbicide use and
breeding for resistance 1040
physiology 2050, 2051
protein 2051
quality 2050, 2051, 2052
residual effects 4041
residues 3311
varietal susceptibility 2051
weed control in
chemical 1594, 1597, 3086, 3135
alloxydim 2048
bentazone 734, 2048, 3434
bromoxynil 48, 3134
chlorsulfuron 707, 2048
diclofop 735, 2051
diethatyl 3434
fluazifop 3134
lenacil 48
linuron 48, 2048, 2051, 2052, 3434
MCPA 48, 734, 2051, 3134, 3730
metolachlor 3134
TCA 734, 2051
tri-allate 734
trifluralin 2052
trifop 2051
cultural 734
integrated 734
weeds, and 1788, 1797, 3578
allelopathy 837
competition 2159
parasitic 2567
L. usitatissimum (linseed) 203, 394, 737, 1042, 2052, 2337, 2399, 2684, 3135
Liquidambar styraciflua (sweetgum) 2458
Liriodendron tulipifera (tulip tree, yellow poplar) 2100, 2458, 3846
Lithocarpus densiflorus 1722
Lolium 310, 753, 1275, 2409, 2675, 2696, 3159, 3220, 3242, 3886, 4087
L. multiflorum 505, 547, 1747, 2440, 2476, 2529, 3230, 3482
L. multiflorum (annual or Italian ryegrass) 991, 3043, 3151, 3814, 4068
L. perenne 2338, 2466, 2995
L. perenne (perennial ryegrass)
bioassay 889, 2303, 2648
herbicide use and
antidotes 3447
damage 3814, 3851
germination 53, 54, 3450
growth stage 483
physiology 744
sensitivity 3005
varietal susceptibility 483
yield 483, 3457
weed control in
chemical 104, 3446
atrazine 1048
benfluralin 102, 508
bensulide 102, 508, 3851
bentazone 2071
chlorthal 102, 508
diuron 1048
ethofumesate 743, 939, 1048, 2064, 2071, 2103, 2405, 3151
glyphosate 1651, 1684, 3451
mecoprop 2405
metamitron 2405
methabenzthiazuron 743, 2103, 2405
oxadiazon 102, 508, 3851
siduron 102, 1651, 1684
simazine 1048
TCA 3151
triclopyr 1685
cultural 2103
weeds, and 2169
allelopathy 1782
competition 743, 1437, 2166, 2167
yield loss 743
L. remotum 734
L. rigidum 214, 1793, 2382, 2526, 2541, 2896
L. temulentum 2341, 2358
Lonicera tatarica 1781
Loranthaceae 864, 2565
Loranthus 3601
Loranthus contd.
L. europaeus 3955
Lotus corniculatus 3857
L. corniculatus (birdsfoot trefoil) 1338, 1655, 3458
L. uliginosus (greater birdsfoot trefoil) 3459
Ludwigia hyssopifolia 2175, 3528
L. octovalvis 2175, 2195
L. parviflora 3061
L. peploides 2575
L. perennis 869, 2378
Lunaria annua (honesty) 3848
Lupinus (lupin) 2382, 2383, 2740, 3771
L. luteus (yellow fodder lupin) 2596, 3772
Lycopersicon esculentum (tomato)
bioassay 2039, 2168, 2642, 2822
herbicide use and
antidotes 89, 2092, 2801
application 1970
damage 88, 1500, 2802, 3475
deformities 1500, 2419
diseases 1509
growth stage 3466
irrigation 1970
pests 3347
physiology 1500, 2236, 2603, 2604
quality 90, 2095
residual effects 761, 4044
sensitivity 89, 2236, 3728
varietal susceptibility 2094, 2236
yield 1347, 2093, 2094, 2095, 3165, 3466, 3475
weed control in 996
biological 1865
chemical 68, 87, 1211, 1992, 2329
alloxydim 69, 760
chlorthal 70
diclofop 3843
diphenamid 88, 90, 760, 2800, 2801, 3467
fluchloralin 1347
fluorodifen 3475
glyphosate 3165
metobromuron 2800
metolachlor 69, 2800
metribuzin 70, 88, 760, 1347, 2093, 2800, 2801
napropamide 88, 2093, 2800, 3843
paraquat 2802, 3165
pebulate 90
prometryne 3475
propachlor 90
trifluralin 88, 90, 2800, 3475
cultural 205, 2861
minimum tillage 3165
weeds, and 2503, 2919
allelopathy 2910, 2985, 3574
competition 205, 562, 1124, 1673, 1778, 2329, 2861
hosts of plant diseases 1155, 1157, 1817, 2190
parasitic 598, 1865, 3589
yield loss 562, 1778
Maackia amurensis 150
Macroptilium atropurpureum (siratro) 2065
Macrotyloma uniflorum (horse gram) 1821
Magnolia soulangiana (magnolia) 2431
Malus (apple)
herbicide use and 1561
cumulative effects 1357
damage 771, 1071, 1355, 2110, 2111
diseases 2939
physiology 1357, 2113
quality 1356
residues 1357, 1922
sensitivity 1071, 2819, 3483, 3852
sugar 1356, 2113
varietal susceptibility 1071
yield 3171, 3860
weed control in
chemical
aminotriazole 1697, 2112, 3862, 3863
aminotriazole + ammonium thiocyanate 2111
atrazine 2111
bromacil 2112, 3863
chlorthiamid 2111
2,4-D 770
dalapon 2112, 3863
dichlobenil 1357, 1358
diquat 512

***Malus* (apple)** *contd.*
weed control in *contd.*
chemical *contd.*
diuron 125, 127, 1071, 2111, 3862
glyphosate 770, 1697, 2111, 3862
lenacil 1695
MCPA 1697
methabenzthiazuron 1697
methazole 512, 1071
metribuzin 1071
napropamide 512, 770
oryzalin 127
oxadiazon 512, 1696
oxyfluorfen 1071, 1696, 2822
paraquat 512, 770, 1697, 2111, 2113
propazine 1071
propyzamide 512, 1071
simazine 125, 127, 512, 770, 1071, 1355, 1356, 1357, 1358, 1697, 2111, 2113
terbacil 770, 1357, 1358
terbumeton 512, 2113
terbuthylazine 512, 2113
trifluralin 1696
cultural 125, 1357
weeds, and 1114, 2534, 3082
allelopathy 1696
hosts of plant diseases 2939
hosts of plant pests 235
***M. hupehensis* (crop)** 1880
Malva rotundifolia 2495
Malvaceae 1323, 2196, 2879
***Mangifera indica* (mango)** 1144, 2825
***Manihot esculenta* (cassava)** 1, 1122, 2364, 3432, 3938
Mannagettaea 1149
Marchantia 2434, 3848
M. polymorpha 217, 2100, 3846
Marrubium vulgare 2583
Marsilea 2912
M. quadrifolia 2020, 3061
Matricaria 739, 816, 1131, 2097, 2400, 2697, 2698, 3161
M. maritima* var. *agrestis 2853
M. matricarioides 183, 1514, 2228, 2237, 2475
M. recutita 183, 738, 1450, 1790, 3235
control
chemical
bentazone 2071
chlorsulfuron 1996
chlortoluron 1996
ethofumesate 2071
methabenzthiazuron 1996
metoxuron 2083
neburon 1996
Medicago denticulata 1643
***Medicago* (medick)** 3242, 3572
***M. polymorpha* (hairy medick)** 1338
M. sativa 2073
***M. sativa* (lucerne, alfalfa)**
bioassay 658
herbicide use and 1247
damage 2782
germination 3450
irrigation 3043
protein 1050, 2782
quality 747, 2782
residual effects 3087
residues 1539
yield 747, 1657, 1659, 2410, 3157, 3820
weed control in 996
chemical 997, 1050, 1783, 2075, 2789, 3446, 4027
acifluorfen 746
alachlor 3152, 3822
aminotriazole 2406
asulam 61, 1049
atrazine 3838
benfluralin 747, 1049, 1339, 2410, 3454
bentazone 486, 745, 747, 1049, 1339, 2410
buthidazole 3153
carbetamide 2784
chlorpropham 3456
chlorthal 3454
dalapon 60, 2406
2,4-DB 747, 1049, 1339, 1595, 2904, 3153
difenopenten 745, 1339
***Medicago sativa* (lucerne, alfalfa)** *contd.*
weed control in *contd.*
chemical *contd.*
dinoseb 485, 747, 1049, 2410, 2411, 3152
diuron 60, 61, 1049, 1657, 2784
EPTC 59, 745, 746, 1339, 1655, 2410, 2904, 3152, 3454, 3819, 3821
fluazifop 3152
glufosinate 3822
glyphosate 1655, 2073, 2406, 3453, 3455, 3822, 3838
hexazinone 746, 2782, 2783, 2784, 2785, 3820, 3822
lenacil 59
linuron 60
methazole 3454
metolachlor 3152, 3822
metribuzin 746, 2782, 3153
oxadiazon 2784
oxyfluorfen 746
paraquat 1655, 2073, 3820, 3822
pendimethalin 746
profluralin 746, 2904
propham 2782
propyzamide 61, 746, 1049, 1657, 2073, 2782
secbumeton 60, 61, 1049, 1657
simazine 60, 61, 1049, 2074, 2782, 2784, 3153
TCA 60, 61, 485, 1049, 1340, 1657
terbacil 61, 746, 1049, 2782, 3820
tri-allate 1539
trifluralin 2904, 3454
trifopsime 3822
cultural 485, 1340, 2074, 2904
integrated 485, 2904
minimum tillage 1655, 2073, 3232, 3453, 3737
weeds, and 1411, 1786, 3935
allelopathy 3574
competition 1656, 3188
hosts of plant diseases 1820
parasitic 3455, 3456, 3577, 3589
Melampyrum arvense 2348, 3893
Melastoma 216
Melia azedarach 3592
Melilotus alba 707, 1643, 2389
M. indica 1281, 2389, 2897
M. officinalis 2341
M. sulcatus 3220
***Melissa officinalis* (lemon balm)** 298
Melochia corchorifolia 3775
***Mentha piperita* (peppermint)** 298, 2401
***M. spicata* (spearmint)** 3466
Mercurialis annua 68, 2797
M. perennis 2180
Merremia gangetica 2912
Metalasia muricata 596
Microcystis 523, 1086
M. aeruginosa 182
Microlaena stipoides 1409
Mikania 846, 1369
M. cordata 1717
M. cordifolia 3971
M. micrantha 700, 773, 2454, 2972, 3366, 3971
M. vitifolia 3971
Mimosa pigra 2543
M. pudica 67, 1591
Miscanthus floridus 1779
Mistletoes 595, 865, 866
Molinia caerulea 147, 3915
***Molinia* (moorgrass)** 3459
Mollugo stricta 3584
Monochoria 1772
M. vaginalis 1118, 2245, 2375, 2377, 2546, 2737, 2979, 3408, 3528
Monvillea 2197
Morrenia odorata 1490, 1835, 3974
***Morus* (mulberry)** 3495
***Mucuna cochinchinensis* (crop)** 517
***Muhlenbergia emersleyi* (bullgrass)** 3156
Murdannia nudiflora 1741
***Musa acuminata* (dwarf Cavendish banana)** 1073
***M. acuminata* × *M. balbisiana* (plantain)** 2115
***M. sapientum* (banana)** 2329, 2827, 3728
Musci 125, 700, 776, 1088, 1707, 2100, 2436, 3459, 3846, 3848
Myosotis arvensis 3811
Myriophyllum 231
M. alterniflorum 1466
M. aquaticum 2575
M. brasiliense 231, 1458
M. pinnatum 794
M. propinquum 2621
M. spicatum 161, 199, 200, 583, 789, 790, 849, 871, 930, 1415, 1729, 2267, 2524, 2584, 3181, 3251, 3928, 4048
M. spicatum* var. *exalbescens 2128
***Myrsine africana* (myrsine)** 2435
Najas 1174
N. flexilis 3182
N. graminea 3079
N. guadalupensis 849, 3181
N. marina 3195
N. marina* ssp. *intermedia 3946
N. marina* ssp. *marina 3946
Nardus stricta 1044, 1097
Nassella 490
N. trichotoma 691, 853, 1265, 2416
Nephrodium 3866
Neptunia oleracea 3105
Nicandra physalodes 599, 1121
Nicotiana 599
***N. tabacum* (tobacco)**
herbicide use and
application 1647
breeding for resistance 1187, 4003
damage 2060, 2062
diseases 3150
growth stage 3445
physiology 896, 1187, 2062, 3297, 3445, 3647
quality 52, 2062
residues 929, 3033
sensitivity 3284, 3445
sugar 2062
varietal susceptibility 476, 3284
yield 896
weed control in
chemical 578
chloramben 476
dazomet 2059
diclofop 2062, 3843
dinitramine 2062
diphenamid 476, 2402, 3812
ethofumesate 2062
linuron 2060
metolachlor 2402
napropamide 2062, 2775, 3812, 3843
oxadiazon 2402
pebulate 1647, 2062, 2775
trifluralin 476, 2402, 3812
cultural 578, 2061, 2402
integrated 578
recommendations 578
weeds, and 3939
competition 578
hosts of plant diseases 1817
parasitic 2061, 3444, 3956
yield loss 2402
Nigella sativa 1197, 2602
Nuphar lutea 155, 3724
Nymphaea alba 155
N. lotus 3105
N. odorata 3183
Nymphoides 3105
N. macrosperma 842
Ocimum canum 3615
Oedogonium 1136
Oenanthe crocata 3264
Oldenlandia 2912
***Olea europaea* (olive)** 1703
***Onobrychis viciifolia* (sainfoin)** 1595, 1658
Onopordum acanthium 2467, 2922
O. illyricum 2467, 2922
Opuntia 153, 580, 1139, 1484, 2197, 2215, 2585, 3592
O. aurantiaca 1053, 1742, 1861, 1863, 1864, 3525
***O. engelmannii* (prickly pear)** 506
O. ficus-indica 1862
O. inermis 1840
O. littoralis 1860
O. oricola 1860
O. polyacantha 482
Orobanchaceae 1149, 1474, 2186, 2187
Orobanche 594, 1149, 2872, 2935, 2973
biology
cytology 593
life cycle 3956

Orobanche contd.
biology contd.
physiology 593
control, chemical, diphenamid 3444
ecology
distribution 3444
spread 3444
seeds
germination
inhibitors 2491
stimulants 2225, 2491
soil 2494
O. aegyptiaca 1150
O. cernua 578, 1445, 2912, 2973
O. crenata 1150, 2188, 2225, 2490, 2491, 2936
O. cumana (see *Orobanche cernua*)
O. lucorum 2566
O. minor 1753
O. pallidiflora 1815
O. ramosa 1815, 1866, 2061, 2181, 2490, 3956
Orthocarpus faucibarbatus ssp. *albidus* 2173
Orthosiphon pallidus 3081
Oryza 839, 2993
O. barthii 3005, 3105, 3586
O. glaberrima 2993, 3105, 3586
O. longistaminata 3105, 3586
O. parrinis 2375
O. punctata 2993
O. rufipogon 3400
O. sativa 808, 1272, 1312, 2016, 3138, 3230, 3277, 3519, 3764, 3766
O. sativa (rice) 2135
bioassay 889, 2297, 2642
herbicide use and
breeding for resistance 2993
compatibility 3061
damage 1020, 2013, 2015, 2375, 3000, 3110, 3401, 3403, 3405, 3765, 4042
deformities 333
growth stage 2606
pests 3061
physiology 897, 1895, 1988, 2012, 2612, 2993, 3000, 3991
residual effects 1988, 2327, 3109
residues 617, 2297, 3109, 3318, 4042
sensitivity 674, 897, 1895, 2612, 2993, 3005
varietal susceptibility 20, 447, 2012, 2982
yield 1019, 1020, 1024, 2017, 3108, 3403, 3406, 4042
weed control in
biological 3408, 3974
chemical 448, 699, 1629, 1988, 2245, 2327, 2736, 2737, 2980, 3006, 3365, 3400, 3766
acifluorfen 1311, 3765
alachlor 3766
aminotriazole 2735
asulam 3402
atrazine 3402
bentazone 449, 1022, 1611, 1624, 1626, 1627, 1629, 2017, 2019, 3061, 3105, 3106, 3401
bifenox 20, 1311, 1625, 1627, 2017, 2379, 3108, 3401
butachlor 20, 447, 720, 1019, 1021, 1024, 1025, 1311, 1626, 1627, 1628, 1629, 2015, 2373, 2375, 2377, 2378, 2379, 2392, 2733, 3061, 3106, 3107, 3318, 3371, 3405, 3767
chlornitrofen 2379
cyperquat 2017
2,4-D 700, 720, 1025, 2017, 2019, 2373, 2379, 3107, 3402, 3767
difenopenten 3404
dimethametryn 1611, 2017, 2733
dinitramine 2733
dinoseb 1626
fenoprop 2019, 3402, 3585
fluchloralin 2378, 2733, 3407
fluorodifen 1611, 3371
flurecol 1624
fosamine 2019
glyphosate 21, 3402
ioxynil 3402
linuron 1019
MCPA 446, 1611, 1624, 2017, 2373, 3402
Oryza sativa (rice) contd.
weed control in contd.
chemical contd.
mecoprop 3105, 3106
methabenzthiazuron 3106
metolachlor 3766
metribuzin 3404
molinate 656, 1311, 1312, 1625, 1628, 1629, 2016, 3401, 3766
nitrofen 2378, 2379, 2735, 3061, 3108
oxadiazon 20, 449, 1311, 1611, 2013, 2017, 2379, 3106, 3108, 3401
oxyfluorfen 2392
paraquat 21
pendimethalin 1311, 1627, 3404, 3765
piperophos 1611, 2017, 2733, 3767
prodiamine 2733
propanil 20, 398, 446, 720, 897, 962, 1022, 1311, 1611, 1624, 1625, 1626, 1627, 1628, 1629, 2013, 2014, 2015, 2017, 2373, 2376, 2733, 2735, 3061, 3106, 3107, 3318, 3371, 3401, 3403, 3406, 3585, 3765, 3767
simazine 2735
2,3,6-TBA 3402
thiobencarb 20, 1024, 1311, 1611, 1628, 2012, 2014, 2017, 2379, 3106, 3108, 3403, 3767
triclopyr 3765
cultural 21, 205, 446, 448, 449, 1023, 1433, 1988, 2016, 2020, 2327, 2374, 2734, 2736, 2737, 2901, 3407, 3528, 3585, 3764, 3766
economics 448, 1611
integrated 449, 1310, 1623, 2327, 2376
minimum tillage 3, 3104
recommendations 392
review 969
weeds, and 215, 568, 842, 1136, 1137, 1272, 1452, 1751, 2172, 2195, 2917, 3078, 3240, 3583, 3585, 3586, 3937
allelopathy 1779, 3615
competition 21, 205, 392, 700, 824, 829, 1023, 1118, 1310, 1433, 1623, 1770, 1771, 1772, 2163, 2327, 2373, 2376, 2894, 2899, 2900, 3223, 3366, 3562, 3563, 3584
hosts of plant diseases 869
hosts of plant pests 3959
yield loss 1118, 1310, 1623, 1770, 1771, 1772, 2327, 2373, 2899, 2900, 2901, 3959
O. stapfii 3586
Oryzoideae 2508
Oxalidaceae 2879
Oxalis 2912
O. cernua 2824
O. corniculata 1685, 2716, 3212
O. corymbosa 2911
O. dillenii ssp. *dillenii* 3212
O. dillenii ssp. *filipes* 3212
O. europaea 2105
O. latifolia 2325, 2547, 2856, 3191
O. pes-caprae 2350, 2507, 2857, 2860, 3386
O. stricta 3212
Oxytropis ochrocephala 804
Pachysandra terminalis (Japanese spurge) 505
Panicoideae 191
Panicum 2765
P. capillare 3112
P. coloratum (kleingrass) 1055
P. dichotomiflorum 758
control
chemical
acifluorfen 3776, 3785
alachlor 3756
bentazone 3518, 3776, 3778
butylate 3759
fluazifop 3778, 3782
glufosinate 3754
metolachlor 3756
paraquat 3756
simazine 3756
trifopsime 3776
herbicide use 3787
ecology
allelopathy 2537, 2908
competition 3919, 3922
Panicum dichotomiflorum contd.
ecology contd.
distribution 1791
seeds
germination 1104
longevity 1104
P. laxum 3585
P. maximum 1779, 2469, 3498, 3503, 3867
P. maximum (Guinea grass) 208
P. maximum var. *trichoglume* (green panic) 2065
P. miliaceum 716, 1296, 1386, 1786, 2386, 2718, 2719, 2766, 3188, 3727, 3769
P. miliaceum (bread, proso or common millet) 1788, 2597
Panicum (panicum) 845
P. repens 700, 1105, 1369, 2453, 2498, 2850, 2912, 3056, 3366, 3724
P. texanum 95
Papaver argemone 1444
P. hybridum 3242
P. nudicaule (crop) 3848
P. rhoeas 738, 1132, 1406, 2000, 2698, 3220, 3302
P. somniferum 801
P. somniferum (opium poppy) 51
Papilionaceae 2879
Parkinsonia aculeata 2543
Parthenium 846
P. argentatum (guayule) 3869
P. hysterophorus 181, 243, 538, 608, 1392, 1455, 1583, 1591, 1803, 1867, 1993, 2325, 2586, 2912, 2934, 2955, 2974, 3237, 3971, 3972
Parthenocissus quinquefolium 1158
Paspalum 3408
P. conjugatum 1591, 1706, 1740, 2175, 2453, 2454, 3866, 3938
P. dilatatum 107, 2792, 2908
P. dilatatum (dallisgrass) 1336
P. distichum 21, 1332, 3104
P. notatum 211
P. notatum (bahiagrass) 1045, 2778, 3452
P. paspalodes 1106, 3763
P. plicatulum (brownseed paspalum) 484
P. scrobiculatum 431, 444
P. vaginatum 839, 3402
Passiflora foetida 2887
P. suberosa 2887
P. subpeltata 2887
Pastinaca sativa 3167
P. sativa (parsnip) 3468
Pennisetum americanum (bulrush millet, pearl millet, bajra) 19, 443, 444, 445, 561, 858, 1989, 2325, 2328, 2732, 2909, 3091, 3395, 3399, 3604
P. clandestinum 811, 1651, 1684
P. clandestinum (kikuyu grass) 510
P. pedicillatum (deenanath grass) 55
P. polystachyon 1098, 3938
P. purpureum 700, 3366
P. subangustum 3585
Persea gratissima (avocado) 1219, 2824
Petroselinum crispum (parsley) 68, 3468
Phacellanthus 1149
Phalaris 1275, 1451, 2555, 2696, 2714, 2984
P. aquatica 2555
P. aquatica (sirosa phalaris) 2406
P. arundinacea 1085, 2555
P. arundinacea (reed canary grass) 1650
P. brachystachys 809, 2481, 3220
P. canariensis 3311
P. coerulescens 2555
P. minor 22, 535, 809, 1007, 1281, 1988, 2326, 2358, 2389, 2392, 2528, 2607, 2702, 2897, 2915, 3237
P. nodosa 3862
P. paradoxa 2502
Phalaris (phalaris) 2789
Phaseolus (bean) 3031
P. coccineus (scarlet runner bean) 1663
P. lunatus (lima, sieva or duffin bean) 758, 1064, 2316, 3841
P. trilobus (pillipesara) 2741
P. vulgaris (french, snap bean) 1182
bioassay 2039, 2252
herbicide use and
application 1971, 3697
compatibility 3707
damage 1256, 1671, 2008, 2091, 2419, 3707
diseases 1063

***Phaseolus vulgaris* (french, snap bean)** *contd.*
herbicide use and *contd.*
germination 85
physiology 270, 603, 606, 887, 1183, 1196, 1512, 1670, 1880, 1884, 2310, 2609, 2986, 3628, 3697
quality 85, 1670, 3840
residual effects 68, 738, 1537, 2337, 2418, 3731, 4041
residues 919, 921, 3329
sensitivity 1739, 3299, 3520, 3728
varietal susceptibility 80, 81, 1062, 2080, 3830, 3841
yield 1062, 1670, 1971, 2091, 3114, 3840, 3841
weed control in
chemical 27
acifluorfen 81, 82, 2080
alachlor 83, 84, 498, 1668, 1669, 2008, 2792
alloxydim 68, 69, 81, 2080, 3830
benfluralin 79
bentazone 81, 2080, 3830
butralin 3467, 3830
chloramben 84, 3467
chlorbromuron 2008
cyanazine 1668, 2008
diclofop 68, 81, 84, 1275
difenopenten 82
dimethachlor 3469
dinitramine 498, 2426, 2792, 3840
dinoseb 79, 81, 82, 2008
diuron 3432
EPTC 82, 498
ethalfluralin 84, 3841
fluazifop 1663, 3830
fluchloralin 82, 3840
fluorodifen 2080
glyphosate 81
linuron 1668, 2008, 2426, 3114
methabenzthiazuron 1668
metobromuron 83, 3840
metolachlor 69, 82, 83, 84, 1662, 1668, 3432, 3469
metribuzin 2426
monolinuron 81, 2080, 2792, 3830
paraquat 2091
pendimethalin 68, 84, 498, 2008, 2426, 2792
profluralin 82
prometryne 1668, 1669
tebuthylazine 83
terbutryne 83
trifluralin 81, 84
cultural 1059, 1669, 3842
minimum tillage 1059
weeds, and
competition 835, 1669, 1769, 3228, 3568, 3569, 3927
hosts of plant pests 1478
yield loss 835
***Phleum pratense* (timothy)** 480, 1650, 2167, 3087, 3151, 3814
***Phlox divaricata* (phlox)** 504
Phoradendron 865
Phragmanthera incana 866
P. leonensis 866
Phragmites australis 155, 449, 524, 790, 792, 1701, 2487, 2849
***P. australis* (common reed)** 1738
P. communis 370, 3134
Phyllanthus niruri 1310
Phyllostachys 1779
***P. edulis* (bamboo)** 889
Physalis alkekengi 1332
P. heterophylla 2460
P. subglabrata 1104
***Picea abies* (Norway spruce)** 149, 1716, 2121, 2461, 2830, 3512, 3875
***P. glauca* (white spruce)** 1718, 1719, 1812, 2834
***P. mariana* (black spruce)** 863
***P. pungens* (Colorado or blue spruce)** 143, 144, 146
***P. sitchensis* (Sitka spruce)** 1376, 1716, 2459
***Picea* (spruce)** 519, 1928, 3510
Picris hieracioides 183
***Pieris japonica* (Japanese andromeda)** 98, 3850
***Pimpinella anisum* (aniseed)** 2430
Pinellia ternata 3244
Pinus 3523
***P. banksiana* (jack pine)** 1719
***P. clausa* (sand pine)** 3877
***P. densiflora* (Japanese red pine)** 1960
***P. eldarica* (Afghan pine)** 2836, 2837, 2840
***P. elliottii* (slash pine)** 211, 1377, 3511
***P. halepensis* (Aleppo pine)** 1373, 2836, 2837, 2840
***P. kesiya* (Benguet pine)** 1081
***P. nigra* var. *maritima* (Corsican pine)** 1375, 2829, 2831, 2835, 2836, 2837, 2840
***P. nigra* var. *nigra* (Austrian pine)** 2829, 2830, 2831
***P. pinaster* (maritime or cluster pine)** 147, 1125, 2831, 2832, 2833, 3511
***Pinus* (pine)** 519, 1713, 2432, 4027
P. ponderosa 1722
***P. ponderosa* (ponderosa or western yellow pine)** 1148, 1410, 1927, 2122, 3177
P. radiata 1721
***P. radiata* (Monterey pine)** 1079, 2838, 3878
***P. resinosa* (Norway or red pine)** 1718, 1719
***P. strobus* (Weymouth or eastern white pine)** 2834
***P. sylvestris* (Scots pine)** 143, 144, 146, 149, 2121, 2830, 3512, 3873, 3874
herbicide use and, mycorrhiza 3690
weed control in
chemical
dalapon 2461
2,4,5-T 2461
cultural 2461
***P. taeda* (loblolly pine)** 1709, 3508
***P. thunbergii* (Japanese black pine)** 2905
P. virginiana 1722
Piper marginatum 3971
Pistacia lentiscus 1373
Pistia 1977
P. stratiotes 156, 977, 1400, 2575, 2979, 3077, 3620, 3723
***Pisum sativum* (pea)** 2328
bioassay 913, 1212, 2039
herbicide use and
damage 2740, 3443, 3735, 3769
drift 640
physiology 256, 267, 268, 606, 615, 881, 1185, 1495, 1498, 1895, 3630, 3640, 3990, 4014
protein 2601
quality 90
residual effects 68, 738, 1537, 2418, 3087, 3471, 3731
residues 640, 919, 921, 2687, 3031, 3311, 3329
sensitivity 394, 1895, 3005, 3112, 3728
varietal susceptibility 23, 24, 3112, 3410
yield 414, 450, 3111
weed control in
chemical 1211, 1594, 2325, 2326, 2766, 3368, 3769
alachlor 2380
alloxydim 24, 402, 702, 1038, 2022, 3410, 3733, 3734, 3736
barban 69
bentazone 24, 25, 451, 2022, 3410
bifenox 3470
cyanazine 24, 451, 3410
2,4-D 394
dicamba 752
diclofop 24, 2380, 3112
difenopenten 2766
dimethachlor 3469
dinoseb 24, 1038
fluazifop 2338, 3410, 3733, 3734
fluorodifen 1630
glyphosate 2335
linuron 25, 90, 2022, 2742, 3410
MCPA 24
MCPB 24, 453, 752, 3730
methabenzthiazuron 22
metobromuron 450, 2380
metolachlor 450, 2380, 3469
metoxuron 22
metribuzin 3412
napropamide 3412
nitrofen 3111
pendimethalin 3410
prometryne 90, 1026
simazine 24, 3410
terbuthylazine 24, 3410
***Pisum sativum* (pea)** *contd.*
weed control in *contd.*
chemical *contd.*
terbutryne 22, 24, 450, 3410
trifluralin 2742
cultural 1059, 1630
integrated 2335
minimum tillage 1059
weeds, and 2919, 3232
competition 453, 3188
hosts of plant diseases 1159
Plantago 579, 2784
P. aristata 2950
P. coronopus 861, 2184
P. lanceolata 190, 509, 579, 861, 1176, 1425, 1426, 1467, 1682, 1804, 2158, 2549, 3205, 3217, 3218, 3227
***P. lanceolata* (ribwort)** 298
P. major 509, 579, 861, 1426, 2111
P. major* ssp. *major 825, 2158
P. maritima 1804, 2184
P. media 861, 1426, 2184
***Platanus occidentalis* (American plane)** 2458
Pleioblastus distichus* var. *nezasa 131
Pluchea lanceolata 3558
Poa 816, 1653, 2042, 3151, 3302, 3457
P. annua
biology 3533
evolution 1437, 2599
genetics 1511, 2599
life cycle 2928
morphology 2508
phenotype 1511
taxonomy 547
control
chemical 738, 1643, 2048, 2351, 3835
acifluorfen 3375
alachlor 2400
alloxydim 2022, 2333, 2409
atrazine 1048, 2082
bentazone 2071, 3375, 3383
bifenox 3470
bromoxynil 422, 1998
butam 2400
butralin 470, 3375
chloroxuron 3849
chlorsulfuron 1996
chlortoluron 1996, 1997, 3375, 3376
cyanazine 2101
diclofop 2409
dinoterb 3376
dipropetryn 1996
diuron 1048
ethofumesate 743, 744, 939, 1048, 2064, 2071, 2103, 2405
fluazifop 2333, 2409
glyphosate 109
ioxynil 422, 1998
isoproturon 422, 1997, 1998, 3376
linuron 2022, 2083
mecoprop 1998, 3375
metamitron 2405, 3125
metazachlor 3146
methabenzthiazuron 743, 1996, 1997, 2103, 2343, 2405
metoxuron 2083
monalide 2083
napropamide 2440, 3849
neburon 1996
oxadiazon 3849
pendimethalin 710, 3375
phenmedipham 2038, 3125
propyzamide 2812
simazine 1048, 2101, 3383, 3849
cultural, mechanical, direct drilling 1131
economics 2547
herbicide use
physiology 744, 1511
resistance 272, 1511, 2599
management
crop density 108
fertilizers 2103
mowing 108, 2103
minimum tillage 3750
ecology
biotype 2599
colonization 2928
competition 1437, 2547
distribution 3234
ecotype 1437
spread 2928

Poa annua *contd.*
seeds 1132
soil 1406, 2475
Poa **(meadowgrass)** 1684
P. pratensis 209, 505, 1656
P. pratensis **(Kentucky bluegrass, smooth-stalked meadow-grass)**
herbicide use and, diseases 113
weed control in
chemical 111
cultural 108
P. pratensis **(smooth meadowgrass)**
herbicide use and
damage 1650, 2102, 3814
diseases 481, 3169
germination 3450
growth stage 3169
weed control in
chemical 111
alachlor 103
benfluralin 103, 508, 3167
bensulide 103, 508, 1068, 1069, 3167
chlorflurecol 1337
chlorthal 103, 508, 1069, 2102, 3167
2,4-D 112, 509, 1046, 1337
dicamba 112, 509, 1046, 1337
dichlorprop 112, 509
ethofumesate 2103
fenoprop 509
glyphosate 1651
MCPA 509
mecoprop 112, 509
mefluidide 113, 114, 115
methabenzthiazuron 2103
MSMA 1069
napropamide 103
oxadiazon 508, 3167
pendimethalin 103, 2102
picloram 1046, 1337
prosulfalin 103, 1069
siduron 1651
triclopyr 509, 1046
cultural 2103
weeds, and, competition 2167, 3227, 3924
P. trivialis 415, 542, 547, 1453, 1653, 1654, 2111, 2466, 3446, 3544, 3579
Poaceae 2175
Polianthes tuberosa **(tuberose)** 1680
Polygonaceae 2879, 3005
Polygonum
control 1593
chemical
acifluorfen 1031
asulam 68
dimethachlor 3469
lenacil 68
methazole 3161
propachlor 3161
seeds, germination 3895, 3896
P. amphibium 161, 2134
P. arenastrum 3213
P. aviculare
biology
cytology 3213
genetics 3213
morphology 3213
taxonomy 3213
control
chemical
alachlor 78
alloxydim 2038
benfluralin 747
bentazone 747
bromoxynil 1281
chloridazon 2038, 2040
chlorsulfuron 707, 3375, 3377
chlorthal 78
chlortoluron 3375, 3376, 3377
dinoterb 3376
ioxynil 3377, 3379
isoproturon 3372, 3376, 3377
linuron 2742
MCPA 3379
mecoprop 3377, 3379
metamitron 2038
molinate 3372
neburon 3375
phenmedipham 2038, 2040
propachlor 78
trifluralin 78, 2742
Polygonum aviculare *contd.*
control *contd.*
cultural, mechanical, cultivation 1131, 3242
herbicide use 3302
minimum tillage 3750
ecology
allelopathy 3572, 3929
competition 3569
seeds 1132
soil 1406
P. coccineum 1297, 1298
P. convolvulus
control
chemical
benazolin 474
chloramben 50, 3442
chlorsulfuron 707, 1006, 1597
cyanazine 3410, 3433
cycloate 39
EPTC 2396, 2761, 2764
ethalfluralin 84
ethofumesate 39
isoproturon 3372
linuron 2396, 2742
MCPA 1287, 3433
metolachlor 84
molinate 3372
oryzalin 50
pendimethalin 84
propanil 1287
terbutryne 2396
trifluralin 84, 2742
cultural, mechanical 2761
herbicide use 3302
minimum tillage 3750
ecology
competition 206, 1450
distribution 3234
P. hydropiper 3165
P. lapathifolium 1147, 1290, 2426, 2863, 2864, 2911, 4020
P. longisetum 2534, 3230
P. monspeliense 3213
P. orientale 1440
P. patulum 2360
P. pensylvanicum 745, 836, 1043, 1111, 1430, 1655, 1682, 2142, 2363, 2482, 2587, 3197, 3539
seeds
dormancy 2142
germination 2142
P. persicaria
control
chemical
acifluorfen 2685
alachlor 78, 2716
alloxydim 2022
asulam 2085
atrazine 2716, 2722
bentazone 2022, 2722
chloroxuron 3854
chlorthal 78
cyanazine 2101, 3845
diuron 3492
EPTC 2716
ethofumesate 3854
metazachlor 2049
metolachlor 2716
metoxuron 2083
oxyfluorfen 2090
prometryne 2792
propachlor 78
pyridate 2723, 2725
simazine 2101, 2792, 3492, 3845
trifluralin 78
cultural 2085
herbicide use
growth stage 2725
resistance 2725
ecology, distribution 1791
P. plebejum 568
P. segetum 3390
Polypogon fugax 3244
P. monspeliensis 2389
Polytrichum juniperinum 217
Pooideae 2508
Populus 1714, 1718, 3592
P. balsamifera 1659, 1719, 3931
P. balsamifera **(balsam poplar)** 887
Populus × euramericana **(black poplar hybrid)** 2834
P. nigra **(black poplar)** 1080
Populus **(poplar)** 146
P. tremula 151, 217, 2121, 3871, 4108
P. tremula **(aspen)** 149
P. tremuloides 1342, 1659, 1660, 1713, 1719
Porophyllum ruderale 539
Portulaca 1777
P. oleracea
biology, vegetative reproduction 530
control
chemical
acifluorfen 1315
atrazine 133
benfluralin 3454
bensulide 95
bentazone 1281
bifenox 146
chlorthal 3454
diphenamid 88, 2385
EPTC 2042, 2391, 3454
fluazifop 2385
fluometuron 2398
glyphosate 146
linuron 2385, 2426
methazole 3454
metribuzin 88
napropamide 88
nitrofen 77
oxadiazon 2385
oxyfluorfen 2090
paraquat 2091
pendimethalin 2385, 2398
simazine 133
trifluralin 77, 88, 95, 2398, 3454
cultural, mechanical, hoeing 530
ecology 2522
climate 2911
distribution 1591, 3582
soil 2521
spread 135
pathology, pests 1479
seeds
dormancy 2864
germination 2864
production 530, 2521, 2522
Portulacaceae 822
Potamogeton 790
P. berchtoldii 3198
P. distinctus 1757, 2497
P. illinoensis 1458
P. lucens 2564, 3954
P. natans 161
P. nodosus 785, 2314, 3280, 3928
P. pectinatus 583, 785, 849, 1429, 2128, 2314, 3181, 3216, 3256, 3515
P. perfoliatus 2564
P. polygonifolius 2564
P. praelongus 2564
P. pusillus 794, 1732
Potentilla 1595
P. canadensis 1161
P. norvegica 186, 3622
Proserpinaca palustris 231, 1458
Prosopis 588, 750, 779, 965, 1055
P. glandulosa 748, 3722, 3880, 4121, 4122
P. glandulosa **var.** ***glandulosa*** 63, 153, 845, 1983, 3155
biology, physiology 592
control
chemical 592, 778
AMS 2846
2,4-D 2846
dicamba 778
PCP 2846
picloram 778
2,4,5-T 778, 2846
P. juliflora **var.** ***glandulosa*** (*see Prosopis glandulosa* var. *glandulosa*)
P. reptans 153
Prunus 118, 1718, 2941, 3206
P. amygdalus **(almond)** 512
P. armeniaca **(apricot)** 512, 513, 1695, 1992
P. avium **(mazzard or sweet cherry)** 2830, 2835
P. cerasus **(sour or morello cherry)** 514, 1880
Prunus **(cherry)** 512, 1360, 1695, 2110, 2819, 2823
P. domestica **(plum)** 512, 2100, 3494, 3846
P. pensylvanica 189
P. persica **(peach)** 126, 127, 512, 513, 770, 2448, 2941

***Prunus persica* (peach)** *contd.*
bioassay 3230
herbicide use and
damage 2110, 2822
pests 1359
residues 1922
sensitivity 2819, 2823, 3852
weed control in
chemical
glyphosate 1359
lenacil 1695
oxyfluorfen 2822
paraquat 1359
simazine 1359
terbacil 1359
weeds, and, hosts of plant diseases 1154
P. serotina 1661, 3206, 3987
***P. serotina* (black cherry)** 2120
P. virginiana 3206
***P. virginiana* var. *melanocarpa* (black chokeberry)** 144
***Pseudotsuga menziesii* (Douglas fir)** 310, 776, 1968, 2830, 3328, 3509
Psidium cattleianum 67
P. guajava 67, 3592
***Psophocarpus palustris* (wild winged bean)** 2365
***P. tetragonolobus* (four-angled bean)** 27, 139
Psoralea corylifolia 2229
Pteridium aquilinum
biology 227
anatomy 1806, 1807, 3255
cytology 3988
physiology 3988
vegetative reproduction 1806, 1807, 3255, 3988
control
biological
fungus 1177
insect 2193, 2976, 2977
chemical
asulam 120, 173, 174, 489, 775, 1052, 1354, 1734, 3154, 3866
chlorthiamid 775
dicamba 775
fosamine 2835
glyphosate 173, 370, 489, 775, 1052, 2408, 3866
picloram 775
cultural, mechanical, ploughing 174
economics 387
herbicide use, physiology 172, 362
management
cropping 174
cutting 1052
review 387
ecology
allelopathy 489, 1441
distribution 174, 227, 228, 3238
spread 227
pathology
diseases 1177
pests 877, 2193
P. aquilinum* var. *esculentum 2975
P. aquilinum* var. *latiusculum 1354, 2120
Pueraria lobata 131, 3358
P. phaseoloides 3523
***P. phaseoloides* (tropical kudzu)** 517
Pycreus macrostachyos 1629
***Pyracantha coccinea* (firethorn)** 2433, 2806
***P. coccinea* var. *lalandi* (Laland firethorn)** 764
***Pyracantha* (firethorn)** 2440
Pyrularia pubera 3594
***Pyrus communis* (pear)**
herbicide use and
damage 624, 2110, 2111
physiology 624
sensitivity 2819
yield 3860
weed control in
chemical
aminotriazole 2821
atrazine 2111
chlorthiamid 2111
diuron 2111
glyphosate 2111, 2821
paraquat 2111
simazine 2111, 2821
weeds, and, hosts of plant diseases 2939
P. melanocarpa 769
Quercus 1652, 1661, 3681, 3824
Quercus *contd.*
Q. alba 1719
***Q. alba* (white oak)** 2460
Q. coccifera 1373, 2839, 2841
Q. gambelii 257
Q. havardii 749, 751, 780, 834, 845, 878, 3825
Q. ilex 2841
***Q. ilex* (holm oak)** 2836, 2837
Q. incana 3877
Q. kelloggii 3463
Q. laevis 3877
Q. macrocarpa 1719
Q. marilandica 3880
Q. mongolica 150
***Q. nigra* (water oak)** 2458
***Quercus* (oak)** 1151, 1372, 1374
***Q. phellos* (willow oak)** 2458
Q. robur 3871
***Q. robur* (English oak)** 2830, 3872
Q. rubra 1718, 1722
Q. stellata 1054, 3877
Q. turbinella 66
Q. virginiana 63, 3880
Quisqualis indica 599
Ranunculus 1761, 3823
R. arvensis 2340, 3146, 3893
***R. asiaticus* (turban buttercup)** 503
R. ficaria 2516, 3449
R. ficaria* ssp. *bulbifer 2932
R. fluitans 361
R. muricatus 3629
R. repens 1453, 2111, 2182, 2183, 3949
R. sceleratus 1417, 3207
R. sieboldii 2154
Raphanus 2984
R. raphanistrum 2383
biology
flowering 2492
phenology 2492
control 2492
chemical
bromoxynil 2359
2,4-D 2359
dicamba 2359
dinoseb 3152
isoproturon 2708
MCPA 2359
methabenzthiazuron 2359
metribuzin 2359
trifluralin 2708
cultural
mechanical
cultivation 2545
direct drilling 2545
ploughing 2545
seeds
contamination 2341
production 2492
soil 1406
viability 2492
R. sativus 1156
***R. sativus* (radish)** 68, 69, 606, 1061, 1160, 1499, 1906, 1907, 2238, 2419, 2625, 3296, 3341
Rapistrum rugosum 2502
***Rheum rhaponticum* (rhubarb)** 3465
Rhizobium 1247
Rhododendron 1779, 3824
***Rhododendron* (azalea, rhododendron)** 98, 505, 2100, 3846, 3850
***R. chionoides* (chionoides rhododendron)** 99
***R. indicum* (rhododendron)** 1352
***R. obtusum* (Kurume azalea)** 1352, 2806
R. ponticum 2177
***R. simsii* (azalea)** 2810, 3848
***R. yedoense* var. *poukhanense* (Korean azealea)** 764
Rhus 1158
R. diversiloba 3463
R. radicans 2216, 3755
***R. typhina* (staghorn sumac)** 763
***Ribes grossularia* (gooseberry)** 1690
R. nigrum 1747
***R. nigrum* (black currant)** 640, 1690, 2444
***R. rubrum* (red currant)** 603, 1690, 2105, 3855
Richardia brasiliensis 49
R. scabra 1326, 2168
Ricinus 2714
***R. communis* (castor bean)** 2325
***Robinia pseudoacacia* (black locust)** 1351
Rorippa nasturtium-aquaticum 155
R. nasturtium – aquaticum 1461
Rosa 1735
R. acicularis 1342
R. bracteata 1652, 3880
***Rosa* (rose)** 141, 2101, 3845, 3848
R. rubiginosa 2464, 3238
Rotala rotundifolia 568
Rottboellia 1701
R. exaltata 191, 397, 398, 399, 1321, 1363
biology, flowering 3914
control
chemical
bromacil 1700
chlorfenac 2717
2,4-DB 2717
diuron 1700
MCPA 2717
metolachlor 3790
monuron 1700
paraquat 3761
pendimethalin 3758, 3761, 3768, 3790
prometryne 1700
cultural, mechanical 3761, 3768
management, fallowing 3585
ecology
associations 3944, 3945
colonization 3585
distribution 1591
ecotype 3914
seeds
climate 3527
longevity 3527
Rubiaceae 431, 444
Rubus 121, 123, 189, 1374, 2449, 2460, 3178, 3592, 3824
R. allegheniensis 3934
R. fruticosus 1372, 2463, 2588, 2790, 2929
R. hispidus 1734
R. idaeus 1747, 3874
***R. idaeus* (raspberry)** 1589, 1689, 1691, 2110, 2444
R. polyanthemos 2496
Rudbeckia 3972
Rumex 393, 1403, 1491, 1657, 1982, 2043, 2066, 2067, 2589, 3449, 3544, 3968
R. acetosa 2221, 2590, 3915
R. acetosella 509, 768, 1130, 1423, 1682, 2155, 2156, 2176, 2549, 2891, 3595
R. aquaticus 3214
R. crispus 1112, 1402, 1403, 2174, 2239, 2480, 2481, 3152, 3390, 3454, 3617, 3852, 3902
R. dentatus 3968
R. japonicus 3230
R. nepalensis 3968
R. obtusifolius 370, 1402, 1403, 1404, 1682, 2174, 2218, 2219, 2220, 2221, 2466, 2911, 2978, 3214, 3617, 3902
R. punjabensis 1112
R. tenuifolius 1423
Ruppia maritima 3181
Saccharum hybridum 3864
S. officinarum 1362
***S. officinarum* (sugar-cane)**
herbicide use and
antidotes 1361, 2329
damage 135, 1364, 1702, 3496
deformities 250
physiology 3001
quality 1072, 2826
residues 1072
sensitivity 3520
sugar 1702
varietal susceptibility 1363, 1366, 1702, 2452
yield 1365, 1700
weed control in 2329
chemical 134, 3172, 3498, 4027
alachlor 2826
ametryne 135, 857, 1363, 1365, 1702, 2826, 3496
asulam 1363, 1365, 2826, 3496, 3499
atrazine 133, 1455, 3496, 3497, 3499
bromacil 1700, 3501
buthidazole 135
butylate 1361
2,4-D 133, 135, 1363, 1365, 1366, 1455, 1701, 2114, 2826
dalapon 133, 1365

***Saccharum officinarum* (sugar-cane)** *contd.*
weed control in *contd.*
chemical *contd.*
diuron 135, 857, 1072, 1363, 1365, 1366, 1700, 1701, 2114, 3496, 3497
EPTC 1361
glyphosate 1701
hexazinone 1701, 2826, 3496, 3497
ioxynil 1363, 1366, 2826
MCPA 133, 2826
metolachlor 3496, 3497
metoxuron 1990
metribuzin 135, 1701, 3497
monuron 1700
MSMA 1363
oxadiazon 2826
oxyfluorfen 135
paraquat 135, 1363, 1366, 2114
pendimethalin 2826
prometryne 1700
secbumeton 2826
simazine 133, 2114, 2826
2,4,5-T 1701
2,3,6-TBA 2826
tebuthiuron 1072, 3497
tetrafluron 3500
trifluralin 1701, 3189
cultural 1, 134, 2114
minimum tillage 1362
review 3172
weeds, and 1, 132, 133, 134, 1454, 3244, 3944, 3945
competition 2452, 2906
S. spontaneum 2454
Sagina procumbens 3850
Sagittaria 790
S. aginashi 2894
S. pygmaea 554, 1413, 1757, 2245, 2497, 2546, 2894, 3006
S. trifolia 554, 2525, 2546, 2594, 2894, 2980
Salix 118
S. aurita 1391
S. babylonica 3592
S. caprea 217, 1391
***S. caprea* (goat willow)** 3848
S. purpurea 884
***Salix* (willow)** 146
Salsola australis 1179
S. kali 221, 1160, 2782, 3589
S. kali* var. *tenuifolia 6, 3093, 3442, 3925, 3926
S. paulsenii 4124
Salvia reflexa 2502
***S. sclarea* (clary, muscatel sage)** 96, 742
Salvinia 1457, 1977, 2912, 3081
S. molesta 163, 1178, 1427, 1481, 1492, 1869, 1870, 2222, 2330, 3960
biology
hybridization 2862
identification 2862
life cycle 545
morphology 2862
physiology 862
vegetative reproduction 545, 862, 2862
control
biological 2862
animal 854
insect 854, 2979
chemical 788, 2862
cultural 2862
ecology 854
allelopathy 3528
associations 3528
distribution 2862
habitat 2862
spread 862
Sambucus canadensis 1158
S. nigra 1131
Santalaceae 1473
Sarcobatus vermiculatus 815
Scenedesmus 1578
S. acutus 260, 1192
S. obtusiusculus 1517
Schaefferia cuneifolia 153
Schinus terebinthifolius 67
Schismus 221
Schizachyrium scoparium 1408
***S. scoparius* (little bluestem)** 751
Scirpus 449, 522, 1022, 3528
S. compactus 522
S. hotarui 2377
Scirpus *contd.*
S. juncoides 2245
S. juncoides* var. *hotarui 2500
S. juncoides* var. *ohwianus 2500
S. maritimus 162, 1118, 2019, 2501, 3104, 3408
S. planiculmis 2497
S. supinus 1118
S. wallichii 2500
Scleranthus annuus 1130, 1444
Scleria reflexa 1591
***Scorzonera hispanica* (black salsify)** 68, 2082
***Scorzonera* (scorzonera)** 69, 1348, 1677, 1986, 3731, 3832
Scrophulariaceae 1473
Scurrula cordifolia 1180
Secale cereale 3754, 3834
***S. cereale* (rye)**
herbicide use and
growth stage 2692
residual effects 3087
sensitivity 2692, 3739
varietal susceptibility 409, 2693
yield 1004
weed control in
chemical 1448
bentazone 7
bromofenoxim 7, 423, 3729, 3743
bromoxynil 7, 422, 423, 430
cyanazine 7
dichlorprop 7, 422, 430
ioxynil 7, 422, 423, 430
isoproturon 7, 422, 423, 3729
MCPA 7, 422, 430
mecoprop 7, 430
methabenzthiazuron 423
metoxuron 423
pendimethalin 710, 3729
simazine 423
terbuthylazine 7, 423, 3729, 3743
cultural 1448
weeds, and 1790
competition 705, 1612
hosts of plant diseases 1157
yield loss 705
Sedges 2818
Sedum 3243
Senecio aquaticus 180
S. jacobaea 180, 245, 797, 1871
control
biological 3609
insect 802, 1872, 2223, 2591, 3966
chemical 3484
hexazinone 2785
management
cropping 802
grazing 802
ecology
distribution 2930
population decrease 2930
spread 2930
S. longilobus 3192
S. squalidus 2517
S. sylvaticus 2176
S. vulgaris
biology
genetics 2517
taxonomy 2517
control
chemical
aminotriazole 2112, 3863
asulam 2097, 3831
carbetamide 3831
chloroxuron 3849
dalapon 2112, 3863
diuron 3492
ethofumesate 3856
fluometuron 2457
hexazinone 519
napropamide 3849, 3850
oryzalin 3850
oxadiazon 2437, 3849, 3850
oxyfluorfen 2437
pendimethalin 3856
perfluidone 2437
propyzamide 2097, 3831
simazine 3492, 3849
herbicide use
physiology 1471
resistance 892, 1471, 1805, 2457
minimum tillage 3750
Senecio vulgaris *contd.*
ecology
biotype 1471, 1805
climate 2556
ecotype 2556
succession 2111
seeds, production 3894
***Sesamum indicum* (sesame)** 1991, 3520
Sesbania 3415
S. bispinosa 2888
S. cannabina 1306
S. exaltata 33, 1031, 1102, 1311, 2620, 3279, 3765, 3775
Setaria 389, 578, 753
control
chemical
alachlor 2384, 3152, 3756
aminotriazole 3491
bromoxynil 3134
chlorsulfuron 3336
dalapon 1039
desmedipham 1039
diclofop 1039
difenopenten 1039
diuron 3491
EPTC 2396, 2761, 2764, 3152
ethofumesate 1039
fluazifop 3134
glyphosate 2814
MCPA 3134
metolachlor 2384, 3152, 3756
oryzalin 3491
paraquat 3756
simazine 3491, 3756
trifluralin 2384
cultural
mechanical 2761
mulching 1075
ecology
distribution 3235
habitat 3243
spread 3235
S. faberi 16, 1043
biology, physiology 906
control
chemical 1094
acifluorfen 3785
alachlor 2686
atrazine 2720
bentazone 745
butylate 2686
cycloate 2054
diclofop 2027
difenopenten 745, 2027
EPTC 745, 2720
metolachlor 2686
napropamide 2054
oryzalin 1029, 2054
oxyfluorfen 2054
paraquat 2054
pendimethalin 2720
trifluralin 1029, 2686
herbicide use 4095
physiology 906
residual effects 1664
resistance 2720
minimum tillage 1292, 3471
ecology
allelopathy 2537, 2538
distribution 1785
seeds, germination, inhibitors 1394
S. geniculata 1408
S. glauca 1006
biology
morphology 191
physiology 826
control
chemical 3086
acifluorfen 3785
diclofop 3086, 3112
difenopenten 3086
fluazifop 3782
MCPA 1287
propanil 1287
trifopsime 3086
economics 2547
herbicide use, resistance 841, 2720
ecology
allelopathy 2537
climate 826, 3252
competition 826, 2547, 3252
seeds
germination, inhibitors 1394

Setaria glauca contd.
seeds contd.
production 2142
S. italica 955, 4095
S. italica (foxtail millet) 1989, 3341
S. lutescens (see *Setaria glauca*)
S. pallide-fusca 456, 839
S. palmifolia 2454
S. verticillata 2486
S. viridis
biology, physiology 826
control
chemical 6, 2766, 3653
acetochlor 2363
alachlor 2363, 3090
barban 3098
carbetamide 3147
chloridazon 1595
dicamba 3090
diclofop 1574, 1576, 1595, 2352, 3159, 3433
difenopenten 2766
EPTC 746, 1595
ethalfluralin 3841
fluazifop 3090
hexazinone 3093
MCPA 1287, 1574
metolachlor 2363, 3090
metribuzin 2766
oxadiazon 3147
pendimethalin 746, 2363
profluralin 746
propanil 1287, 1574, 1576, 3098
TCA 2051
trifluralin 3442
cultural, electrical 1577
herbicide use, resistance 2720
management, fallowing 1746
minimum tillage 2363
ecology
allelopathy 2537
climate 204, 826, 3252
competition 204, 570, 826, 990, 1673, 3252, 3922
distribution 1787, 1791
seeds
climate 204, 2486
dormancy 2486
germination 204, 1104, 2486
inhibitors 1394
longevity 1104
production 2142
soil 204
Shepherdia argentea (silver buffaloberry) 144
Sicyos angulatus 717
Sida 49
S. spinosa 2196, 2750, 3415, 3540
Silene alba 1786
S. fuscata 2696
S. linicola 3575
Silybum marianum 427, 2467, 2661, 2922
Sinapis alba 438, 955, 1497, 2621, 4105
control
chemical, 2,4-D 2981
herbicide use, physiology 2981
S. alba (white mustard) 2261
S. arvensis 206, 558, 567, 746, 2294, 3220
control
chemical
bromoxynil 1285
2,4-D 1285
dicamba 1285
diclofop 2696
dinoseb 3152
ioxynil 2696
isoproturon 2708
MCPA 1285
trifluralin 2708
herbicide use 3787
ecology, nutrient removal 1788
pathology, pests 1479
seeds
depth of burial 2481
dormancy 3893
germination 2480, 2481
stimulants 3893
Sinobamboosa kunishii 1779
Sinocalamus latiflorus (bamboo) 889
S. oldhami 1779
Sison amomum 3264
Sisymbrium 3968
S. irio 181, 1281
Smyrnium olusatrum 3264
Solanaceae 79, 819, 1323
Solanum 3912
S. americanum 196
S. carolinense 1046, 1092, 1297, 1298, 3930
S. chacoënse 1817
S. elaeagnifolium 1390, 1414, 1873, 2912, 2950, 3541, 3559, 3596
S. melongena var. *esculentum* (brinjal, eggplant, aubergine) 91, 1065, 1150, 1540 1675, 2919, 3165, 3466, 3476

S. nigrum 29, 94, 196, 599, 760, 1064
biology
flowering 3912
genotype 1147
identification 3912
morphology 3912
physiology 3912
control
chemical 2384, 3115, 3468
acetochlor 2746
acifluorfen 1635, 2685, 2747
alachlor 1635, 2724, 2746, 2747
asulam 2085
atrazine 2722, 2724
bentazone 2722
bifenox 2746
chloramben 1635, 2746, 3912
chlorpropham 2746
diphenamid 2800
diuron 3492
ethalfluralin 3912
isoproturon 3372
metobromuron 2800
metolachlor 1635, 2746, 2747, 2800
metribuzin 2800
molinate 3372
napropamide 2800
oryzalin 1635
oxyfluorfen 2746
pyridate 2723, 2724, 2725
simazine 3492
trifluralin 1635, 2746, 2800
cultural 2085
herbicide use
growth stage 2725
resistance 1147, 2725, 3286
ecology, distribution 3582
pathology
diseases 1817, 2190
pests 1479
seeds
production 3894
soil 1406
S. nodiflorum 196, 2322
S. ptycanthum 196, 3912
S. sarrachoides 196, 1064, 3841
S. scabrum 3912
S. torvum 1874
S. tuberosum 24, 81, 1138, 1747, 2149, 2468, 3795
control
chemical
glyphosate 4024
phenmedipham 3799
herbicide use, physiology 4024
pathology, diseases 2572
S. tuberosum (potato) 3968
herbicide use and
application 2316
damage 2037, 2043, 3735, 3793, 3803
deformities 2043
diseases 1270
drift 640
growth stage 3803
irrigation 3132
physiology 2046
protein 1644
quality 466, 469, 1644, 2037
residual effects 480, 1992, 2043
residues 639, 640, 919, 921, 928, 1530, 2043, 3018, 3032, 4091
varietal susceptibility 1645, 3088
yield 1330, 2037, 2046, 2419, 3793, 3803, 4091
volunteer plants 1138, 4024
weed control in
chemical 997, 1211, 1594, 1992, 2329, 2765, 2766
Solanum tuberosum (potato) contd.
weed control in contd.
chemical contd.
alachlor 465, 1330, 1331, 1643, 2044
alloxydim 402, 702, 2037, 3734, 3736
ametryne 2393
bentazone 467, 1331, 1596, 2037
bromofenoxim 467
chlorthal 1331
2,4-D 468
diclofop 1275
diethatyl 2042
difenopenten 2766
dinoseb 1331
EPTC 45, 465, 2042, 2044, 2391, 3801
fluazifop 2037, 2338, 3734
fluchloralin 1643
linuron 46, 468, 1330, 1331, 2037, 3132, 3752, 3793, 3802
methabenzthiazuron 1643
metobromuron 738, 2037, 3793
metolachlor 3802
metribuzin 45, 465, 466, 1331, 1643, 2037, 2045, 2393, 3793, 3801, 3802
monolinuron 46, 1596, 1644, 2037, 3793
napropamide 45, 3801
nitrofen 1330, 2044, 2392
oxyfluorfen 2392
paraquat 46, 1330, 1331, 1596, 1643, 2392
pendimethalin 465
prometryne 466, 639, 1331, 1644, 2393
propanil 1330
propazine 467
TCA 468
terbuthylazine 467
terbutryne 3793
trifluralin 1331, 3803
trifopsime 3797
cultural 2045, 2170, 2765
integrated 46, 468
recommendations 2765
review 391, 969
weeds, and 568, 1140, 1593, 3234, 3235, 3938
competition 2164, 2547
hosts of plant diseases 1817, 2572, 2939
parasitic 3589
yield loss 2164, 2547
S. xanthocarpum 599
Solidago 1422
S. altissima 855, 2895
S. canadensis 589, 855, 1418, 2592
S. fistulosa 1158
S. gigantea 855
S. juncea 1418
S. nemoralis 1973
S. rugosa 2120
Soliva 3167
Sonchus 3134, 3146, 3750
S. arvensis 40, 183, 569, 570, 1011, 2040, 2134, 2721, 3135
control, cultural 570
S. asper 183, 1819
S. oleraceus 181, 183, 2794
Sorbus torminalis 2835
Sorghum 2984
S. almum 1737
S. bicolor 712, 955, 1294, 1316, 1616, 1736, 1785, 2729, 3239, 3421, 3727
S. bicolor (sorghum) 3279
bioassay 1029, 1126, 1240, 1946, 2297, 2538, 3047, 4071
herbicide use and
antidotes 334, 712, 718, 1018, 1307, 1622, 2372, 2605, 2730, 3101, 3103, 3294, 3299, 3396
application 1316, 2729, 2748, 3421
damage 334, 1308, 1621, 2729
growth stage 334
physiology 906, 2605, 3292, 3294
residual effects 26, 3109
residues 3109
sensitivity 3005, 3397
varietal susceptibility 1308, 1989, 3396, 3397

***Sorghum bicolor* (sorghum)** *contd.*
herbicide use and *contd.*
yield 1304, 1306, 3398
weed control in
biological 3968
chemical 997, 2131
acetochlor 3103
alachlor 17, 712, 1304, 2372, 3103
ametryne 2370
atrazine 4, 17, 18, 439, 440, 1304, 1305, 1306, 1595, 1622, 2370, 2371, 2711, 2727, 3102, 3371, 3395, 3398, 3426
bifenox 18, 440
cyanazine 2370, 3102
2,4-D 1306, 2370, 2371
dalapon 2711
diclofop 700, 3366
glyphosate 3, 1316, 2729, 3395, 3421
linuron 2370, 3102
metolachlor 17, 712, 1622, 2711, 3101, 3103, 3396
metribuzin 2711
monolinuron 1304
MSMA 2711
oryzalin 2711
paraquat 3, 2370, 2711, 3395
phenmedipham 3
picloram 1306
prometryne 392, 1992
propachlor 18, 439, 440, 2370, 2727
propazine 4, 18, 392, 440, 1622, 3101, 3102, 3103
simazine 392
terbuthylazine 18, 439, 440
terbutryne 17, 439, 440, 3103
cultural 18, 2371, 2728, 2731, 3426
cultural v chemical 2328
integrated 2328, 2371
minimum tillage 3, 2711
weeds, and 2169, 3582, 3935
allelopathy 798, 2538, 2985, 3921, 3929, 3935
competition 560, 1432, 1989, 2328, 2731, 3398, 3763, 3921
parasitic 441, 442, 556, 1305, 1432, 1475, 1476, 2323, 2567, 2937, 2938
yield loss 560, 798, 1305, 1432, 2328, 2937, 3239, 3763, 3935
S. bicolor* ssp. *arundinaceum 3607
S. halepense
biology
morphology 191, 856, 1145
physiology 181
rhizome 856, 1758
control
biological, insect 3968
chemical 1274, 2028, 3085, 3138, 3139, 3144, 3224, 3415, 3786
acifluorfen 3419
alachlor 726
alloxydim 726
aminotriazole 1697, 2112, 3863
asulam 2688
benazolin 3419
bentazone 3419
bromacil 1698, 2688
dalapon 1318, 1739, 2108, 2112, 2688, 3116, 3141, 3353, 3417, 3438, 3863
difenopenten 506, 725, 727, 2028, 3119, 3145, 3418, 3419
diuron 1698
EPTC 1295
fluazifop 1739, 3152
fluometuron 3145
GA 1739
glyphosate 1318, 1697, 1739, 2029, 2317, 2668, 2670, 2688, 3116, 3141, 3353, 3417, 3438
MCPA 1697
mefluidide 725, 726, 1318, 3414
methabenzthiazuron 1697
MSMA 3143
paraquat 1697
pendimethalin 1295, 3145
simazine 1697
TCA 1739
trifluralin 1295, 1318, 3116, 3141, 3353, 3417, 3438
trifop 3143
trifopsime 3419, 3727

Sorghum halepense *contd.*
control *contd.*
cultural
mechanical
harrowing 1295
ploughing 1295
herbicide use
growth stage 1274
physiology 2688
resistance 856, 3363
integrated control 3116
ecology
allelopathy 3573
associations 3945
biotype 856, 3363
climate 2161
competition 2161, 3224, 3239
distribution 1272, 1785
nutrient removal 2161
spread 1785
pathology, diseases 1153
seeds
depth of burial 1758
dormancy 1758
germination 1758
S. sudanense 857
Sparganium 790
Spergula 816
S. arvensis 1493, 1783, 2547
Spergularia rubra 1130
Spermacoe laevis 2717
Sphaeralcea 221
***Spinacia oleracea* (spinach)** 68, 271, 640, 899, 2338, 2796, 3731
herbicide use and
physiology 1198, 1203, 1204, 1900, 1938, 2615, 3633, 4008
residues 920, 2296
weed control in
chemical
chlorpropham 1666
cycloate 1662
desmedipham 1666
diethatyl 1662
dimethachlor 3469
metolachlor 3469
phenmedipham 1662, 1666
Spirodela 3358
S. oligorhiza 1892, 3600
Spirogyra 3515
Sporobolus airoides 4124
***S. cryptandrus* (sand dropseed)** 845
S. indicus 1591
S. poiretii 1045, 3452
Stachys 2945
Stachytarpheta jamaicensis 2543
S. urticifolia 2543
Stellaria 768, 1777
S. media
biology, anatomy 2933
control
chemical 412, 738, 2351, 3449
alachlor 2400, 2797
benazolin 488
bifenox 3470
bromofenoxim 488, 3743
bromoxynil 1998, 3351
butam 2400, 2797
calcium cyanamide 68
chlorsulfuron 1996, 3375
chlortoluron 1996, 1997, 3375, 3376
cyanazine 2101, 2697
dimethachlor 68
dinoterb 3376
dipropetryn 1996
ethofumesate 743, 2405
ioxynil 1998, 2697, 3351
isoproturon 1996, 1997, 1998, 3376
lenacil 68
linuron 1649, 1996
MCPA 3351
mecoprop 1998, 3351
methabenzthiazuron 743, 1996
neburon 1996, 3375
oryzalin 3850
oxyfluorfen 2090
pendimethalin 710
prometryne 3351
simazine 2101, 2797, 3351
terbuthylazine 488, 3743
triclopyr 488
trifluralin 1996, 2797

Stellaria media *contd.*
control *contd.*
herbicide use
growth stage 1514
physiology 2228, 2237
resistance 272, 2809
spray retention 1514
minimum tillage 3750
ecology
climate 2911
decline 3243
distribution 2539, 3235
spread 3235
succession 2111
pathology, diseases 1157
seeds 1132
germination 1128, 3895, 3896
soil 1406, 2475, 2477
viability 2477
***Stenotaphrum secundatum* (St. Augustine grass)** 105, 107, 510
Stratiotes 790, 2562
S. aloides 2920
Striga 593, 879, 1432, 1473, 1475, 2935, 2955
S. asiatica 2319
biology, physiology 2937, 2938
control
biological, insect 879
chemical
chlorfenac 2717
2,4-DB 2717
dichlobenil 714
MCPA 2717
ecology, competition 3261
seeds
climate 2938
germination 2938
stimulants 1879, 2323
S. gesnerioides 1152, 3603, 3957
S. hermonthica 441, 442, 556, 839, 858, 1305, 1432, 1476, 3603, 3604, 3621
S. lutea 2912
***Stylosanthes guianensis* (Brazilian lucerne)** 700, 1341, 3366
***S. scabra* (stylo)** 1341
***Stylosanthes* (stylo)** 1341
Symphoricarpos 1660
S. orbiculatus 1661
Synechococcus leopoliensis 256
***Syringa villosa* (late lilac)** 143, 144
Taeniatherum 816
Tagetes erecta 599
T. minuta 1017
Tamarix 3969
T. aphylla 3969
T. dioica 3969
T. indica 3969
T. pentandra 3942
Tapinanthus bangwensis 866
T. buntingii 866
Taraxacum 488, 553, 1468, 2111, 2557, 2558, 2889, 3966
T. officinale 110, 183, 509, 765, 816, 1161, 1595, 1650, 1682, 1735, 1767, 1786, 2239, 2382, 2442, 2784, 3153, 3449, 3451, 3457, 3484, 3823, 3916, 3958
***T. officinale* (dandelion)** 68
***Taxus cuspidata* (Japanese yew)** 1682
***T. hunnewelliana* (Hunnewell yew)** 99
***T. media* (yew)** 505
***Taxus* (yew)** 3510
Tephrosia apollinea 1766
T. hamiltonii 1766, 3999
T. purpurea 2230
Tetragonia tetragonioides 2502
Thelypteris noveboracensis 2120
Themeda quadrivalvis 3189
***Theobroma cacao* (cocoa)** 1, 1368, 2175, 2320, 2939
Thesium humifusum 2185
Thistles 3770
Thlaspi arvense 738, 739, 1448, 2040, 2147, 2767, 3433, 3434, 3440, 3441, 3442, 3469, 3811
***Thuja occidentalis* (Northern white cedar, American arbor-vitae)** 2432
Tilia 3824
T. americana 1722
***T. americana* (American basswood)** 2834
Tillandsia 3577
Torilis arvensis 2107
T. japonica 3264

Tragus biflorus 454
Triadenum 3211
Trianthema monogyna 1643, 2392
T. portulacastrum 135, 560, 1146, 1306
Tribulus terrestris 591, 1875, 1876, 1877, 2543, 2912
Trifolium agrarium 3167
Trifolium (clover) 486, 1411, 1782, 2776, 3043
T. hybridum (alsike clover) 3453
T. pratense 60, 485, 487, 747, 1340, 2784
T. pratense (red clover) 480, 487, 488, 1657
herbicide use and
damage 1649, 3434
germination 3450
residual effects 3087, 3731
sensitivity 2048
yield 2412
weed control in
chemical
bentazone 428
2,4-DB 428
EPTC 1655
glyphosate 1655
linuron 1649
MCPA 428
MCPB 428
paraquat 1655
minimum tillage 1655
weeds, and
competition 2159
parasitic 3589
T. repens 112, 509, 1353, 1406, 1747, 2784, 3230, 3482
T. repens (white clover) 53, 491
herbicide use and
damage 1649
nodulation 3052
physiology 1880, 1955
residual effects 1338
sensitivity 2790
yield 2412, 3457
weed control in
chemical
glyphosate 3453, 3459
linuron 1649
cultural 1051
minimum tillage 3453
weeds, and
allelopathy 1780
competition 3838
T. subterraneum (subterranean clover) 1338, 2535, 2778
T. vesiculosum (arrowleaf clover) 2778
Trigonella foenum-graecum (fenugreek) 2985, 3728
T. polycerata 1643
Trillium kamtschaticum (trillium) 618
Tripleurospermum maritimum 10, 488, 1497, 2981
T. maritimum ssp. *inodorum* 2041, 3235, 3730
Tripogandra multiflora 3371
Tristerix longibracteatus 3260
Triticosecale (triticale) 2693, 2739
Triticum 1278, 1601, 1996, 2767, 3086, 3089, 3738
T. aestivum 3097, 3580
T. aestivum (wheat) 1889, 3615, 3917
T. durum (durum wheat) 603, 1003, 2706
Triticum × *Secale* (triticale) 2003
T. spelta (spelt) 3374
T. turgidum (poulard wheat) 3917
Triticum (wheat) 1186
bioassay 658, 891, 1212, 2303, 2648, 2655, 2688, 3681, 3704, 4033
herbicide use and
antidotes 3299
application 1573, 1574, 3703
cumulative effects 8, 2541, 2544
damage 1574, 1953, 2226, 2358, 2360, 2705, 2713, 3097, 3372, 3374, 3387, 3704, 3748
growth stage 1995, 2357, 2692, 2695, 2697
pests 1963, 3388
physiology 251, 255, 261, 603, 606, 616, 620, 888, 895, 1000, 1181, 1257, 1604, 1605, 1886, 1889, 1903, 2001, 2003, 2634, 2995, 2996, 3623, 3648, 3993, 3994, 3996, 4017
protein 3749
Triticum (wheat) *contd.*
herbicide use and *contd.*
quality 1009, 1010, 2326, 2341
baking 1605
milling 1604, 1605
residual effects 83, 436, 437, 708, 738, 1606, 1990, 2326, 2337, 2349, 2361, 3648, 4041
residues 636, 1257, 1539, 1606, 1953, 2296, 2634, 2688, 2713, 3338, 3800
sensitivity 394, 616, 708, 1886, 2612, 2692, 3302, 3996
varietal susceptibility 409, 704, 709, 1003, 1009, 1010, 1280, 1953, 2004, 2326, 2693, 2694, 2697, 2699, 2705, 2706, 2707, 3096, 3387
yield 9, 616, 1004, 1282, 1286, 2003, 2005, 2144, 2326, 2359, 2695, 2696, 3097, 3800
volunteer plants 2054, 3094, 3738
weed control in 3744
biological 2195
chemical 9, 412, 416, 421, 706, 1211, 1279, 1448, 1462, 1988, 1992, 2006, 2328, 2329
acifluorfen 3375
ametridione 1597
aminotriazole 410
barban 426, 1283, 1597, 1603, 2357
bentazone 7, 1281, 3375
benzoylprop 426, 675, 1008, 1284, 1581, 1598, 1603, 2696
bifenox 1596, 2351, 2360, 2701
bromofenoxim 7, 411, 423, 2004, 2340, 2345, 3729, 3743
bromoxynil 6, 7, 411, 417, 422, 423, 1281, 1285, 1998, 2346, 2348, 2359, 2698, 2703, 2853, 3095, 3351, 3384
butralin 1996, 2000, 3375
chlorfenprop 1133
chlorsulfuron 707, 1597, 1996, 1998, 2853, 3369, 3375, 3377, 3746, 3748
chlortoluron 337, 386, 1277, 1282, 1996, 1997, 1998, 2000, 2340, 2345, 3375, 3376, 3377, 3378, 3388
clofop 1277, 2356
cyanazine 7, 9

weed control in
chemical
cyanazine 419, 2346, 2697
2,4-D 6, 8, 10, 386, 394, 424, 628, 962, 1283, 1285, 1789, 2003, 2326, 2346, 2359, 2700, 3076, 3095, 3384, 3730, 3746
dicamba 6, 8, 10, 407, 1008, 1115, 1133, 1285, 2004, 2359, 2360, 2684, 3095, 3746, 3747
dichlormate 1007
dichlorprop 7, 411, 414, 422, 1133, 1789, 2704
diclofop 415, 426, 1275, 1277, 1281, 1284, 1597, 1598, 1603, 2352, 2357, 2358, 2675, 2696, 2706, 3384, 3746
difenzoquat 414, 420, 426, 1008, 1281, 1283, 1284, 1597, 1598, 1603, 2706, 3384
dinoterb 1998, 3376, 3378, 3380
dipropetryn 1996
diuron 1007, 1238
DNOC 2000
flamprop-isopropyl 414, 425, 426, 675, 1597, 3385
flamprop-methyl 425, 426, 675, 1277, 1281, 1603, 2706
glyphosate 9, 3092, 3386, 3745
hexazinone 6
ioxynil 7, 411, 422, 423, 1998, 1999, 2696, 2697, 2698, 2704, 3377, 3378, 3379
isoproturon 7, 417, 418
weed control IN, CHEMICAL, ISOPROTURON 419
Triticum (wheat) *contd.*
weed control in
chemical
isoproturon 422, 423, 1277, 1282, 1996, 1997, 1998, 1999, 2343, 2347, 2358, 2701, 2702, 3372, 3376, 3377, 3378, 3380, 3388, 3729
linuron 2351, 2683, 2701
MCPA 7, 8, 10, 411, 414, 422, 1008, 1133, 1285, 2359, 2360, 2853, 3095, 3351, 3379, 3384, 3385, 3747
mecoprop 7, 411, 417, 1115, 1596, 1998, 1999, 2004, 2703, 3351, 3375, 3377, 3378, 3379, 3388
methabenzthiazuron 11, 423, 427, 1007, 1997, 1999, 2005, 2326, 2343, 2345, 2351, 2355, 2356, 2358, 2359, 2702, 2704, 3378
metoxuron 10
weed control IN, CHEMICAL, METOXURON 419
weed control in
chemical
metoxuron 423, 1999, 2326, 2355, 2356, 2358, 2700, 2702, 3378
metribuzin 6, 1280, 2359
molinate 3372
monolinuron 2351
neburon 1996, 2701, 3375
nitrofen 11, 1007, 2005, 2358
oxyfluorfen 1281
pendimethalin 710, 1996, 2351, 2355, 2683, 2702, 3375, 3729
picloram 407, 427, 3384
propachlor 9
pyridate 2698, 2701
simazine 10, 423
2,4,5-T 2004
2,3,6-TBA 407
terbuthylazine 7, 411, 423, 2340, 3729, 3743
terbutryne 11, 386, 1007, 1277, 2326, 2343, 2351, 2358, 2700
tri-allate 363, 1282, 1284, 1539, 1603, 2340, 2343, 2357, 2358, 3745
triclopyr 2345
trifluralin 2346, 2351, 2701
cultural 9, 424, 1279, 1285, 1448, 1988, 2061, 2326, 2545, 2896, 3745
economics 971, 972, 1116, 1988, 2355, 2675, 2704, 3076
integrated 424, 1285, 2326
minimum tillage 410, 571, 1134, 1282, 1602, 2353, 2354, 2545, 3092, 3737
recommendations 392
review 1592
weeds, and 577, 1135, 1140, 1406, 1448, 1451, 1464, 1788, 1789, 1797, 2006, 2144, 2169, 3235, 3237, 3579, 3580, 3581, 3897, 3935, 3936
allelopathy 1117, 2907, 2908, 2985
competition 203, 204, 392, 567, 705, 826, 827, 1115, 1116, 1117, 1450, 1462, 2134, 2159, 2160, 2326, 2342, 2526, 2527, 2528, 2529, 2704, 2896, 2897, 2915, 3075, 3094, 3220, 3229, 3527, 3917
parasitic 2567
yield loss 203, 705, 827, 1115, 1116, 1462, 2134, 2896, 2915, 3075, 3094, 3386, 3560, 3917
Tropaeolum majus 599
Tsuga heterophylla (western hemlock) 776
Tussilago farfara 1878, 2040, 2134, 3484
Typha 449, 785, 790, 792, 1244
T. angustata 848, 2912, 3004
T. angustifolia 1438, 3253
T. domingensis 2487
T. latifolia 229, 546, 1438, 2487, 3253, 3908
Ulex europaeus 67, 2844, 3178, 3179, 3238, 3883, 3973
Ulmus 1082, 1661, 1745
U. alata 3880
U. americana 1722
U. japonica (Japanese elm) 143
U. pumila (Siberian or dwarf elm) 143, 145
Umbelliferae 2473, 2890, 2931
Urochloa panicoides 2502

Urtica dioica 246, 488, 2066, 2224, 2776, 3891
U. urens 68, 1132, 1406, 2101, 2420, 2797, 3129, 3835, 3854
Vaccaria 2880
V. pyramidata 3220, 3893
Vaccinium angustifolium (lowbush blueberry) 117, 118, 120, 769, 1354, 2106, 3170, 3329, 3485
V. ashei (rabbiteye blueberry) 3590
Vaccinium (blueberry) 919, 1734, 2110, 2816
V. corymbosum (highbush or swamp blueberry) 768, 2817, 3590
V. macrocarpon (large or American cranberry) 119, 2818, 3857, 3858
Vaccinium myrtillus (bilberry) 2637
V. oxycoccos (small or European cranberry) 2316
V. vitis-idaea (cowberry) 2637
Vaccinum (blueberry) 2631
Vallisneria 2562
V. americana 2267
V. spiralis 2852, 3216, 3256
Vanda tricolor 700
V. tricolor (orchid) 3366
Verbascum blattaria 1405, 2495
V. thapsus 1405, 2495, 4124
Verbena 2784
Veronica 422, 710, 738, 765, 1596, 2343, 2400, 2697, 2698
V. agrestis 1996
V. arvensis 3167, 3480
V. filiformis 3449
V. hederifolia 2539, 2683, 3903
V. javanica 3244
V. persica 272, 1128, 1514, 2228, 2237, 2351, 2477, 2539, 2742, 3005, 3299, 3468
V. triphyllos 2539
Vicia 1159, 2341, 3220
V. cracca 1357, 1358, 3747
V. cracca ssp. *tenuifolia* 3893
V. faba 1747, 3482
V. faba (field, broad, horse bean)
herbicide use and
damage 2740, 3413
diseases 721
physiology 610, 618, 1955, 3290, 4002
quality 1313
residual effects 3731
yield 452, 2023, 3413
weed control in
chemical 1211, 1596
alachlor 2009
bentazone 2009, 3383, 3411
butralin 2024
chlorpropham 2023
cyanazine 1313, 2009, 2024
di-allate 2381
diclofop 1275
dimethachlor 3469
dinoseb 3411
diuron 2023
linuron 2024
methabenzthiazuron 2023
metolachlor 3469
monolinuron 3411
neburon 2023
pendimethalin 2024
simazine 1313, 2009, 2023, 2381, 3383, 3411
terbuthylazine 1313, 2009, 2023
terbutryne 1313, 2009, 2023
trietazine 1313
trifluralin 2381
weeds, and
hosts of plant diseases 1159
parasitic 2491, 2936
V. sativa 2389, 3754
V. sativa (common or spring vetch) 2740, 3042, 3043
V. tetrasperma 3375
Vigna mungo (black gram, urd bean) 607, 609, 2326, 2328, 2741, 2872, 3111, 3615
V. radiata (mung bean) 3, 27, 205, 499, 2741
bioassay 2252
herbicide use and
residual effects 2355
residues 2687
sensitivity 3728
yield 3111
Vigna radiata (mung bean) *contd.*
weed control in
chemical
alachlor 3111, 3164
butachlor 1123
chlorthal 3164
diuron 3432
metolachlor 3432
nitrofen 3111
profluralin 3164
trifluralin 3164
cultural 2798, 3164, 3791
integrated 2326
weeds, and
competition 453, 1123, 2533, 2731, 2798, 3164
yield loss 3164
V. unguiculata (cowpea, southern pea) 3, 27, 36, 37, 2325, 2328, 2755, 3262
bioassay 2252
herbicide use and
damage 2387, 3790
physiology 4018
residual effects 1992
sensitivity 3299, 3728
yield 2387
weed control in
chemical
alachlor 453, 2387, 3790
chloramben 2387
chlorthal 3790
diuron 2387, 3432
linuron 2387
metobromuron 2387
metolachlor 2387, 3432, 3790
norflurazon 2387
pendimethalin 2387, 3790
prometryne 2387
weeds, and
competition 2731, 2827, 2898
hosts of plant pests 2573
parasitic 2567
Vinca herbacea (herbaceous periwinkle) 2457
V. major 816
V. minor (myrtle, lesser or common periwinkle) 505
Vinca (periwinkle) 1160
Viola 412, 422, 563, 710, 2708
V. alba 816
V. arvensis 7, 474, 519, 765, 1130, 1406, 2400, 2539, 3128, 3377, 3743, 3750, 3811, 3895
V. tricolor 738, 1001, 1130, 2683
Virgilia oroboides (virgilia) 2178
Viscaceae 2565
Viscum 593, 865, 3258, 3259, 3601
V. album 2878
V. album ssp. *album* 1472
V. loranthi 1180
Vitis vinifera (grape)
herbicide use and
damage 1692, 2447
deformities 1692
physiology 1880, 2823
quality 1693
residual effects 3728
sensitivity 1904, 2816, 2819, 3852
weed control in
chemical 124, 2445, 2820, 3243
aminotriazole 123, 2821, 3488, 3489, 3491
aminotriazole + ammonium thiocyanate 3490
bromacil 3488
chlorthal 1693
chlorthiamid 121, 3491
2,4-D 121, 1694
dalapon 123, 1694, 2108, 2109, 2446
dichlobenil 123, 2108, 3491
diquat 1693, 3490
diuron 3488, 3489, 3491, 3492
glufosinate 1070
glyphosate 121, 123, 513, 1693, 1694, 2108, 2109, 2446, 2447, 2821, 3488, 3490, 3859
napropamide 1696
oryzalin 1696, 3491
oxadiazon 121
oxyfluorfen 2822
paraquat 513, 1693, 3488, 3490
propanil 1694
Vitis vinifera (grape) *contd.*
weed control in *contd.*
chemical *contd.*
simazine 121, 122, 513, 1693, 2109, 2446, 2821, 3488, 3489, 3490, 3491, 3492
terbumeton 121, 122, 123, 2107, 3488, 3490
terbuthylazine 121, 122, 123, 2107, 3490
trifluralin 1696
cultural 1693, 2107, 2445
minimum tillage 2820, 3486, 3487, 3493
review 124, 390, 2820
weeds, and 214, 1793
competition 3493
hosts of plant diseases 1158
yield loss 3493
Volvariella volvacea (tropical mushroom) 980
Vulpia bromoides 2382
Withania somnifera 3081
Wolffia 1175
W. columbiana 3186
Xanthium 4, 846, 2620, 2880, 3415
X. macrocarpum 2396
X. pensylvanicum 187, 836, 901, 956, 961, 1103, 1124, 1516, 1778, 1785, 2482, 2750, 2751, 2752, 2873, 3416, 3424, 3542, 3904, 4118
X. pungens 244, 1484, 2493, 2543, 2559
X. sibiricum 2030
X. spinosum 234, 567, 2493
X. strumarium 234, 885, 1163, 1445, 2714, 2912, 2955, 3598, 3913, 4010
Yucca gloriosa (Spanish dagger, moundlily yucca) 2457
Yushania nittakavamenis 1779
Zannichellia 3254
Zea mays 1317, 1618, 1976, 1980, 2027, 2029, 2729, 3117, 3118
Z. mays (maize) 1182, 3279
bioassay 1126, 1212, 2538
herbicide use and
antidotes 712, 1199, 1258, 2011, 2368, 2726, 3299, 3393
application 961, 1258, 3639
compatibility 3707
damage 1256, 1258, 1619, 2011, 2363, 2726, 3100, 3393, 3394, 3707
deformities 4004
growth stage 2723, 3381
irrigation 1609, 3043
pests 951, 1964
physiology 263, 264, 265, 266, 269, 603, 606, 621, 623, 902, 904, 906, 1183, 1186, 1196, 1199, 1206, 1209, 1300, 1498, 1884, 1886, 1887, 1888, 2010, 2233, 2302, 2367, 2597, 2604, 3053, 3392, 3638, 3639, 3997, 4000, 4015
protein 713
quality 713, 2367, 3392
residual effects 480, 732, 738, 2324, 2687, 2713, 3648, 3731, 4041
residues 1926, 3311, 3329, 3333, 3381, 3661, 4076
sensitivity 674, 1302, 1739, 1886, 2612, 3005, 3728
varietal susceptibility 15, 266, 906, 1186, 1620, 2726, 3118, 3394
yield 713, 1300, 1609, 1658, 2010, 2144, 2367, 3100, 3394
volunteer plants 2729, 3117, 3118
weed control in 996
biological 3968
chemical 4, 434, 435, 699, 841, 997, 1211, 1594, 2131, 2329, 2363, 2369, 2721, 3368, 3446, 4117
acetochlor 1289, 1290
acifluorfen 1299
alachlor 14, 16, 397, 712, 714, 828, 955, 1291, 1292, 1614, 1615, 2008, 2009, 2336, 2367, 2685, 2687, 2713, 2714, 2716, 2724, 3090, 3091, 3099, 3371, 3393, 3753, 3755
ametryne 717, 3091, 3706, 3760

Zea mays (maize) *contd.*
weed control in *contd.*
chemical *contd.*
atrazine 14, 397, 431, 433, 436, 437, 438, 475, 666, 713, 714, 715, 717, 1016, 1289, 1291, 1292, 1293, 1296, 1299, 1301, 1596, 1597, 1606, 1613, 1614, 1615, 1989, 1992, 2010, 2361, 2364, 2367, 2687, 2711, 2713, 2714, 2715, 2716, 2720, 2722, 2724, 3091, 3371, 3382, 3392, 3661, 3695, 3706, 3711, 3752, 3753, 3755, 3756, 3760, 3762, 4079, 4099
bentazone 433, 1299, 1596, 2009, 2336, 2722, 3383, 3760
bromofenoxim 433, 1596, 3760
butylate 1291, 1615, 2719, 3393, 3755, 3759, 3762
chlorbromuron 2008
chlorfenac 714, 2717
cyanazine 397, 716, 1291, 1294, 1296, 2008, 2009, 2718, 3382, 3394, 3711, 3753, 3755, 3756, 3757, 3760, 3762
cycloate 2719
2,4-D 436, 437, 628, 713, 715, 1297, 1298, 1299, 1597, 1615, 3392, 3393, 3752, 3757
dalapon 2711
2,4-DB 714, 2717
dicamba 407, 717, 1297, 1298, 1299, 1597, 1615, 3090
dichlobenil 714
dinoseb 2008, 2715
diuron 3432
EPTC 14, 716, 828, 1294, 1295, 1296, 1615, 1617, 2685, 2712, 2715, 2716, 2718, 2719, 2720, 2724, 2726, 3392, 3393, 3394, 3755, 3762
ethalfluralin 2367
fluometuron 2364
glyphosate 3, 1297, 1298, 2335, 3753, 3755
linuron 438, 714, 1300, 2008, 2010, 2685, 3752
MCPA 2717, 3760
metolachlor 14, 431, 712, 828, 955, 1289, 1290, 1293, 1596, 1615, 2364, 2367, 2685, 2711, 2714, 2716, 2720, 3090, 3099, 3394, 3432, 3756
metribuzin 1291, 1292, 2711, 2715
monolinuron 438
MSMA 2711
oryzalin 2711
paraquat 3, 2711, 3755, 3756, 3760, 3761, 4099
pendimethalin 14, 397, 714, 716, 1295, 2008, 2718, 2720, 2724, 3758, 3761, 3762, 3768
phenmedipham 3
picloram 407
prometryne 340, 436, 475, 713
propachlor 1300
propanil 3392
pyridate 1597, 2366, 2723, 2724, 2725, 3382
simazine 437, 1989, 2009, 2328, 2714, 3383, 3753, 3755, 3756, 4099
2,3,6-TBA 407
terbuthylazine 433, 2009
terbutryne 2009
trifluralin 716, 1295
vernolate 2719, 2720, 3393
cultural 1, 431, 434, 559, 841, 1303, 1614, 2336, 2365, 2367, 3711, 3761, 4117
mechanical 3768
economics 432
integrated 434, 1295, 2335, 2715, 3711
minimum tillage 3, 1569, 1613, 2353, 2363, 2364, 2711, 3099, 3737, 4079
recommendations 392, 434, 435
review 391, 432, 969
weeds, and 1, 192, 843, 1132, 1406, 1755, 1786, 1791, 1797, 2144, 2169, 3188, 3578, 3598, 3935
allelopathy 1442, 2537, 2538, 3573, 3930

Zea mays (maize) *contd.*
weeds, and *contd.*
competition 16, 279, 392, 558, 559, 567, 569, 713, 828, 1015, 1303, 1430, 1431, 1769, 2142, 2161, 2162, 2470, 2898, 3094, 3222, 3527, 3539, 3566, 3918, 3919
hosts of plant diseases 1153, 3263
parasitic 2323, 2567, 2938, 3261
yield loss 798, 1015, 1431, 2161, 2713, 3094, 3222, 3918, 3919, 3935
Z. mays (sweet corn)
bioassay 2655, 4033
herbicide use and
damage 3471
pests 2077
residual effects 1664
residues 3031, 3471
yield 2077
weed control in 996
chemical
atrazine 3838
butylate 2077
glyphosate 2335, 3838
integrated 2335
minimum tillage 3471
weeds, and 3188
Zigadenus venenosus 482
Zinnia elegans (youth and age) 1818
Zizania aquatica (wild rice) 830
Z. palustris (northern wild rice) 2902
Zizyphus obtusifolia 153
Zoysia japonica 2891
Z. matrella 2811
Zoysia (zoysiagrass) 3481
Zoysia (zoysiagrass) 766